



Product Catalog

EDITION 1

OVER 25,000 PARTS IN STOCK



Partnering With You Since **1979**



Refrigeration



Heating



Cooling



Equipment



Web Account Setup Guide

Welcome

Thank you for your interest in our online RHI Supply Store! After being granted access, you'll be able place orders, create quotes, view open orders and invoices, check inventory, and more!

STEP 1

Requesting Online Access

To get started with the RHI Supply web store, you'll first need to first fill out a *Website Access Request Form*.

To access the form, **Click or Scan** the QR code. After filling out the required information, submit the *RHI Website Access Request Form*.



Scan or Click



STEP 2

Registering your Online Account

Once you've submitted the *Website Access Request Form*, either **Click or Scan** the QR code below to access the RHI Supply online store **Customer Login** page.

On the **Customer Login** Page, log in using the email address provided in **Step 1** and a password of your choosing.

Once you log in, you'll be directed to the registration form. Fill out and submit the form, and your account will then go through an approval process.



Scan or Click

Troubles logging in?

Please reach out to RHI to have a contact created in our system under your account

Error: No contacts found for the user name specified.

That's it!

After receiving an email confirming your account has been approved, you'll be able to log in through the **Customer Login** page and begin your online journey! Enjoy easy online ordering, exclusive promotional offers, up-to-date information, and more!

Need Assistance? Contact us Today!

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Low Mass Thermocouple

Low-mass 'QUICK DROP' thermocouple (co-axial). Usually found on applications that require an oxygen depletion system on the thermo safety, such as **fireplaces** and **direct vent gas log sets**. Also found on many LP gas applications that require a quick dropout of the thermo safety if there is a loss of pilot flame.

Features

- The 1960-027 has standard thermocouple threads, and **WILL NOT** fit applications with metric threads

Features

- Easy burner installation with attached threaded nut



1960-027

| Part # | Length |
|----------|--------|
| 1960-027 | 35" |

Thermocouples

Features

- Universal adapter and push-in clip for one-handed installation
- Thick inner copel element for longer life

Features

- Bottom-lock design for easy installation from bottom

| Part # | Lead Length |
|-----------|-------------|
| Q340A1066 | 18" |
| Q340A1074 | 24" |
| Q340A1082 | 30" |
| Q340A1090 | 36" |
| Q340A1108 | 48" |



Q340A1090

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Powerpile Generator

Q313 Universal Thermopile Generator contains multiple thermocouples connected in series to provide 750mV. The power generated is sufficient to operate an automatic millivolt gas control system, independent of any outside power source.

Features

- Push-in clip, split nut, and PG9 adapter assembly included for easy installation
- Spade or quick connect terminal available

Specifications

- Used with: Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners

| Part # | Length | Volts |
|-----------|--------|--------|
| Q313U3000 | 35" | 750 mV |



Q313U3000

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Powerpile Generator

Universal generator provides power for 750 millivolt control systems.

Features

- For replacement of similar screw-in type generators now in field and E31-12 pilot burners

Features

- No PG9 adapter needed

| Part # | Size | Volts | Connector Type |
|----------|------|--------|-------------------|
| G01A-501 | 36" | 750 mV | F Spade Terminals |



G01A-501

COPELAND

Pilot Burners

| Part # | Ignition Type | Hood Style | NAT | LP |
|-----------|--------------------|------------|-----|----|
| Q314A4586 | Standing Pilot | Straight | ✓ | ✓ |
| Q345A1305 | Intermittent Pilot | | ✓ | ✓ |



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Q314A4586

Universal Pilot Burners

Your go-to replacement for over 120 models. Simplify your work, cut down on inventory, and get reliable performance every time. Perfect for any job, these burners are the versatile solution every HVAC pro needs.

| Part # | Ignition Type | Hood Style | Size | Orifice | NAT | LP |
|------------|--------------------|---|-------------------|---|-----|----|
| Q314U1001 | Standing Pilot | Target - Adj. Straight Left Right | 1/4" - 1/8" | BCR-18 (0.018") BBR-10 (0.010") BBR-08 (0.080") CAR-13 (0.013") CAR-12 (0.012") | ✓ | ✓ |
| Q345U1005 | Intermittent Pilot | Target - Adj. Straight Left Right | 1/4" - 1/8" | BCR-20 (0.020") BCR-18 (0.018") BBR-12 (0.012") BBR-11 (0.011") | ✓ | ✓ |
| Q348U1009 | Intermittent Pilot | Batwing - 1 in. Wing Span | 1/4" - 1/8" | NE22 (0.022") KF24 (0.024") A26 (0.026") KR14 (0.014") | ✓ | ✓ |
| Q3451U1000 | Intermittent Pilot | Target w/ Integral Ignition Lead - Adj. Straight Left Right | 1/4" - 1/8" | BCR-20 (0.020") BCR-18 (0.018") BBR-12 (0.012") BBR-11 (0.011") BCR-10 (0.010") | ✓ | ✓ |

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Q314U1001



Q345U1005



Q348U1009



Q3451U1000

Pilot Orifices

| Part # | Orifice Size | Used with | NAT | LP |
|----------|--------------|---|-----|----|
| 390686-1 | 0.010" | Q314 series, Q345 series, Q3450, Q3451, Q3452 | — | ✓ |
| 390686-4 | 0.018" | Q314 series, Q345 series, Q3450, Q3451, Q3452 | ✓ | — |



390686-X

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Flame Sensors



The Packard PFS Flame Sensor product line delivers top-notch reliability and precise flame detection for a wide range of heating systems. Engineered for durability, these sensors ensure consistent performance, minimizing system downtime. Choose Packard PFS for a trusted solution that keeps your HVAC systems running smoothly.

| Part # | OEM | Replaces | Overall Length | Sensor Offset | Angle |
|--------|------------------|---|----------------|---------------|----------|
| PFS700 | Coleman / York | 025-30788-700 025-25434-700 025-30788-700 | 4" | — | Straight |
| PFS301 | Rheem | 62-23543-01 FLS301 | 2-1/2" | 1-9/16" | 75° |
| PFS014 | Carrier / Bryant | LH33WZ511 LH68001 FLS014 | 3-3/4" | 2-1/2" | 90° |
| PFS010 | Goodman | 0130F00010 S1-025-37499-000 FLS010 | 3-3/4" | 2-1/2" | Straight |
| PFS802 | ICP / York | 1380679 025-27773-700 FLS700 | 3" | — | Straight |
| PFS114 | Trane | SEN01114 SEN1114 B340888-2 | 2-1/2" | 1-9/16" | 90° |



PFS700



PFS301



PFS014



PFS010



PFS802



PFS114

Bundle and Save - "Packard Kit" - 1 of each

Universal Flame Sensors

Features

- Durable rod can be cut or bent

Specifications

- 790-843A1 used with furnace, boilers, cooking, and other applications
- 790-843A1 includes protective sleeve for bending the rod

| Part # | OEM | Length | Lead Length |
|-----------|--------------------------|--------|-----------------|
| 10-760 | Robertshaw | 4" | 30" |
| 790-843A1 | White Rodgers / Copeland | 6.15" | 30" (Insulated) |

Robertshaw. COPELAND



10-760



790-843A1

Shop Online — Anytime, Anywhere

RHI Supply Web Store

- Get up-to-date information on thousands of parts
- Receive Personalized Pricing
- View open orders and invoices
- Check inventory

For Access, Contact Your Local RHI Supply Today!



HotRod 120V Nitride HSI Upgrade Kit

For Upgrading Standard Silicon Carbide Systems to a Nitride Ignitor

Features

- Replaces over 170+ Ignitors
- Breakaway bracket reduces the extra stuff

Features

- Replaces most silicon carbide ignitors
- 5-year limited warranty
- Twice the ignition surface

| Part # | Volts | Lead Length | Quantity |
|-----------|-------|-------------|----------|
| 21D64-EA* | 120 | 15.5" | Each |
| 21D64-5PK | | | 5-Pack |

*Includes

- (1) 120 V Nitride Ignitor
- (2) Brackets (1x Universal 1x Standard)
- (1) 15.5" Lead-Stripped Ends
- (2) Ceramic Wire Nuts & Mounting Screws

COPELAND

80V / 120V Replacement Hot Surface Ignitors

Direct OEM replacement for premium silicon nitride ignitors and upgrade kits.

| Part # | Volts | Replacement For |
|------------|-------|---------------------|
| 768A-815 | 80 | Trane IGN00117 |
| 768A-842 | | Amana 11111701 |
| 768A-844 | | Lennox 41K56 |
| 789A-707A1 | | Goodman 0130F008 |
| 41-426N | 120 | Carrier LH33ZG081 |
| 41-427N | | Goodman 0130F000083 |
| 41-428N | | Trane IGN00152 |
| 41-429N | | York S1-10254231000 |
| 41-430N | | Lennox 70W16 |

COPELAND



O.E.M. Hot Surface Ignition Kits

| Part # | Replaces | OEM Part # |
|-----------|-----------|---|
| SIG101 | Nordyne | 902661, FC007 |
| SIG102 | York | 025-32626-000, 373-05342-700, 473-12509-001 |
| SKIT03033 | Trane | KIT3033 |
| SPLT3400 | Lochinvar | PLT3400 |



Universal Hot Surface Ignitors

Universal Compatibility. Simplify your Stock. Choose Glowfly.

Features

- Replaces over 110 OEM ignitor Models
- Each ignitor package includes cross reference instructions, six brackets, and installation accessories

Features

- Robust silicon nitride ignitor construction
- Perfect for quick installations in tight chambers

| Part # | Description | Volts | Ignitor Length | Lead Length |
|------------|------------------|-------|----------------|-------------|
| Q3200U1004 | Glowfly | 120 | 1.36" | 15" |
| Q3200U2002 | Glowfly - 6 Pack | 120 | 1.36" | 15" |
| Q3205U1107 | Glowfly Pro | 120 | 1.66" | 15" |

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**Installs Made
Fast and Flexible**

Silicon Carbide Ignitors

Robertshaw

Features

- Operate at 120V AC; some modules are rated for 208/240V input, however, the volts to the ignitor is stepped down to 120V AC
- Designed to reach ignition temperature(s) within 17 sec

Features

- Has 18-gauge nickel chrome lead wires embedded and metallized in place for maximum holding strength and electrical conductivity
- Manufactured with lead wires enclosed in a special high-temperature fiberglass insulation providing electrical protection

RHI Advantage

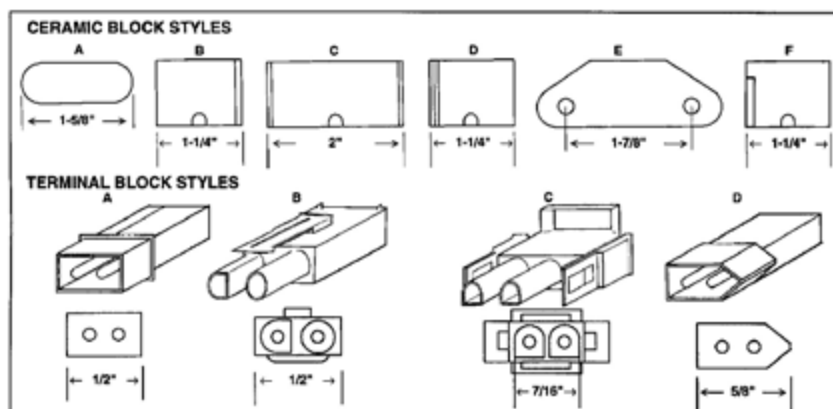
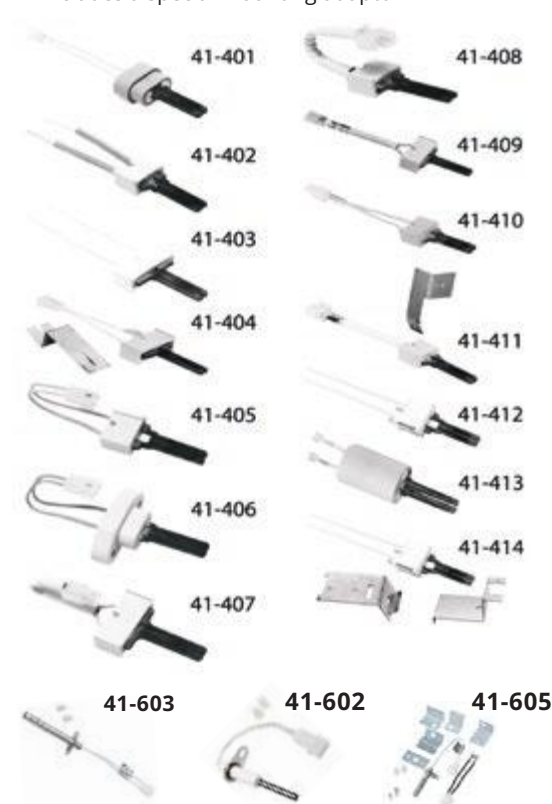
We stock **40+** ignitors and have access to hundreds more!

Give us a call, or better yet: text a picture to your local RHI Supply, and we'll help you find it!

| Part # | Norton Number | Ceramic Block | Terminal Connector | Lead Length |
|----------|---------------|---------------|--------------------|-------------|
| 41-401* | 271A | A | A | 4-1/2" |
| 41-402 | 271W | B | - | 19" |
| 41-403 | 271 | C | - | 5-1/2" |
| 41-404* | 271 | C | D | 4-1/2" |
| 41-405 | 2711D | D | - | 5-1/2" |
| 41-406** | 271Y | E | - | 10-1/2" |
| 41-407 | 271 | C | B | 4-1/2" |
| 41-408 | 271N | B | C | 4-1/2" |
| 41-409 | 271 | C | D | 4-1/2" |
| 41-410 | 271N | B | B | 4-1/2" |
| 41-411** | 271N | B | C | 4-1/2" |
| 41-412 | 271NM | F | - | 5-1/4" |
| 41-413 | 201C | + | 1/4" QC | 1-3/8" |
| 41-414** | 271NM | F | - | 5-1/4" |

* Includes a Gasket

** Includes a special mounting adaptor



Mini Ignitors

Robertshaw

Features

- Dependable ignition in a small footprint
- Constructed with unique non-porous, high-strength silicon nitride

Features

- 3 second heat-up time
- Easy to handle and install
- Trouble-free operation

| Part # | Replaces | Connector Type | Lead Length |
|--------|-----------|--|-------------|
| 41-602 | Armana | Rectangular Receptacle w/ Jumper Harness | 5-1/8" |
| 41-603 | York | Locking Connector Housing | 7-1/2" |
| 41-604 | Armstrong | Locking Connector Housing | 6-1/8" |
| 41-605 | York Kit | Stripped Ends | 7-1/2" |

Silicon Carbide Ignitors

Offering a full line of 120 V direct replacement silicon carbide ignitors. Q4100 ignitors work with most configurations of element shapes, brackets, connectors, and lead wire lengths. Honeywell ignitors are **Made in the USA** and backed by a **2-year warranty**.

Features

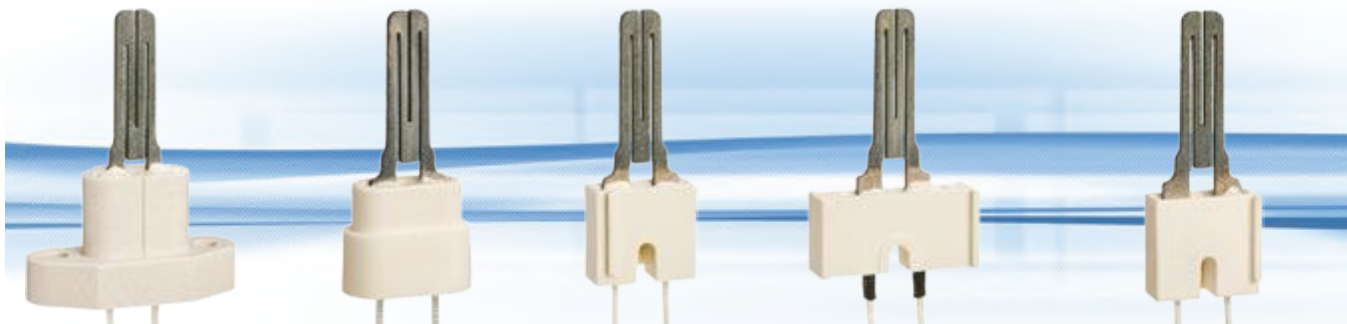
- Uses a 120 volt silicon carbide ignitor design with long life and high resistance to damage or burn out in the appliance
- Includes silicon carbide ignitor, bracket, screw, and wiring accessories

Features

- Q4100C ignitors replace popular versions of Robertshaw, White-Rodgers, and Norton silicon carbide ignitors.
- Multiple mounting bracket styles: A, B, C, D, E



| Part # | Replaces | Connection Type | Lead Length |
|------------|--------------------|---------------------------|-------------|
| Q4100C9040 | 5E810, 767A-303 | Receptical | 5.25" |
| Q4100C9042 | 41-401 | Molex internally keyed | 5.5" |
| Q4100C9044 | 5E809, 767-356 | Receptical | 6" |
| Q4100C9046 | 41-402 | Stripped Ends | 19.125" |
| Q4100C9048 | 41-404 | Stripped Ends | 5.25" |
| Q4100C9050 | 41-406 | Stripped Ends | 11" |
| Q4100C9052 | 41-407 | Molex Front Lock | 5" |
| Q4100C9054 | 41-408 | Molex Side Lock | 5.25" |
| Q4100C9056 | 41-403 / 41-409 | Receptacle | 5.25" |
| Q4100C9058 | 41-410 | Molex Front Lock | 4.5" |
| Q4100C9060 | 41-411 | Molex Side Lock | 5.25" |
| Q4100C9062 | 41-412 | Receptacle | 5.25" |
| Q4100C9064 | Carlin 87197, 201C | 1/4" QC | 1.375" |
| Q4100C9066 | 41-414 | Receptacle | 5.25" |
| Q4100C9068 | 41-405 | Receptacle | 5.25" |
| Q4100C9070 | 99911563 | 1/4" QC | 5.668" |
| Q4100C9072 | 99911564 | Locking Connector Housing | 5.313" |



Q4100C9050
Lead wire = 11"
Stripped Ends

Q4100C9042
Lead wire = 5.5"
Molex Internally Keyed
Q4100C9044
Lead wire = 6"
Receptical

Q4100C9068
Lead wire = 5.25"
Receptical
Q4100C9070
Lead wire = 5.668"
Female Quick Connect

Q4100C9048
Lead wire = 5.25"
Receptical
Bracket = A
Q4100C9052
Lead wire = 5"
Molex Front Lock
Q4100C9056
Lead wire = 5.25"
Receptical

Q4100C9040
Lead wire = 5.25"
Receptical
Q4100C9046
Lead wire = 19.125"
Stripped Ends
Q4100C9054
Lead wire = 5.25"
Molex Side Lock
Q4100C9058
Lead wire = 4.5"
Molex Front Lock

Q4100C9060
Lead wire = 5.25"
Molex Front Lock
Bracket = B
Q4100C9062
Lead wire = 5.25"
Receptical
Bracket = C
Q4100C9066
Lead wire = 5.25"
Receptical
Bracket = C, D, E
Q4100C9072
Lead wire = 5.313"
AMP Receptical

How do I check if the Hot Surface Ignitor is still good?

You should read 40-90 ohms through the ignitor. If you read higher than 90 the HSI is going bad.



Gas Valves - 24 Volt

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| Part # | Description | Connection | NAT | LP |
|---|--|-------------|-----|----|
| Standing Pilot | | | | |
| VR8200A2132 | Standing Pilot | 1/2" x 1/2" | ✓ | ✓ |
| VR8300A3500 | Standing Pilot | 1/2" x 3/4" | ✓ | ✓ |
| VR8300A3518 | Standing Pilot w/ 36" Thermocouple & ECO | 1/2" x 3/4" | ✓ | ✓ |
| VR8300A4516 | Standing Pilot w/ 36" Thermocouple & ECO | 3/4" x 3/4" | ✓ | ✓ |
| Universal - Intermittent Pilot / HSI / Direct Spark Applications | | | | |
| VR8345M4302 | Standard Opening | 3/4" x 3/4" | ✓ | ✓ |
| VR8345H4555 | Slow Opening | 3/4" x 3/4" | ✓ | ✓ |
| VR8345Q4563 | Two Stages, Standard Opening | 3/4" x 3/4" | ✓ | ✓ |
| Universal - Direct Spark - Small Turn Radius 2.35" | | | | |
| VR8215S1503 | Standard Opening | 1/2" x 1/2" | ✓ | ✓ |
| VR8215T1502 | Slow Opening | 1/2" x 1/2" | ✓ | ✓ |
| Smart Valves - Replaces Many OEM Valves - LP Kits Available | | | | |
| SV9501M2528 | Standard Opening | 1/2" x 1/2" | ✓ | ✓ |
| SV9502H2522 | Slow Open & Pre-purge | 1/2" x 1/2" | ✓ | ✓ |
| SV9641M4510 | Standard Opening | 3/4" x 3/4" | ✓ | ✓ |
| SV9510M2511 | Standard Opening - Modine Replacement! | 1/2" x 1/2" | ✓ | ✓ |
| 50I56D-905 | Alternative Retro-Fit Kit Smart Valve Option for - See Page 12 For More Info | | | |

Smart Valve Ignitors



resideo

| Part # | Description |
|------------|---|
| Q3400A1016 | 24 Volt Hot Surface Ignitor Assembly for Honeywell Smart Valves |
| SSN24 | Supco 24 Volt Hot Surface Ignitor Assembly for Honeywell Smart Valves |



VR8345M4302



VR8215T1502



SV9501M2528



Q3400A1016

How do I know if the valve I'm replacing is Standard, Step, or Slow Opening?

The middle letter of the Resideo model number represents the opening characteristic:



A, M, S = Standard
C, P = Step Opening
H, K, T = Slow Opening
J = Delay & Slow
R = Convertible
Q = 2 Stag

**When in doubt
- give us a call! -**

Millivolt (Two-Lead Thermopile) Gas Valves

Robertshaw

Features

- Designed for millivolt systems
- Manual gas valve with automatic safety pilot
- Mount in any position, except upside down

Specifications

- Pressure tap 1/8" NPT and pilot outlet 1/4" tubing



700-502

| Part # | Volts | BTU Capacity | Inlet Connection | Outlet Connection | Bushings | Outlet | NAT | LP |
|---------|------------------|--------------|------------------|-------------------|-----------------|------------------|-----|----|
| 700-502 | 250 mV to 750 mV | 100,000 | 1/2" | 1/2" | (2) 1/2" x 3/8" | Straight / Angle | ✓ | — |
| 700-506 | | 300,000 | 3/4" | 3/4" | (2) 3/4" x 1/2" | Straight Through | ✓ | — |

Low Profile Gas Valves

Robertshaw

Features

- Replacement for General Control gas valves up to 70,000 BTU Applications
- Compact size and lower capacity range ideal for limited space and low capacity heating applications
- Mounts in any position, except upside down

Specifications

- 710-203 and 710-205 have a temperature range of 58°F to 90°F



710-502

| Part # | Valve Type | Inlet Conn. | Outlet Conn. | Capillary Length | Application | Replaces Gen. Controls # | NAT | LP |
|---------|--|-------------|--------------|------------------|----------------------------|--------------------------|-----|----|
| 710-203 | Snap Action Hydraulic | 1/2" | 1/2" | 36" | Recreational Vehicles (LP) | TV27AA03 | — | ✓ |
| 710-205 | Snap Action Hydraulic | | | 36" | Wall Furnaces | TV27RB06 | ✓ | — |
| 710-502 | Millivolt | | — | — | Space Heaters | B67 | ✓ | — |
| 710-503 | Millivolt (Hi-Low Adj. Reg.) | — | 3/4" | — | Fireplaces | — | ✓ | — |
| 710-508 | Millivolt (Uses 1960-027) Quick Drop Out | 3/8" | 3/8" | — | Space Heaters & Fireplaces | TV05AA05 | ✓ | — |

Dual Valve Controls

Robertshaw

Features

- Designed for 24V constant pilot
- Mounts in any position, except upside down

Specifications

- Designed for 24V constant pilot
- 720-472 and 720-474 have convertible regulator for mobile home use
- 720-472 is convertible from 40% to full flow with 30 sec
- 720-474 is convertible from 25% to full flow within 30 sec



710-502

| Part # | Inlet Connection | Outlet Connection | Bushings | Outlet | Side Tap | NAT | LP |
|---------|------------------|-------------------|-----------------------------------|------------------|----------|-----|----|
| 720-402 | 1/2" | 3/4" | (1) 3/4" x 1/2" | Straight / Angle | Yes | ✓ | ✓ |
| 720-406 | 3/4" | | (2) 3/4" x 1/2" | Straight Through | No | ✓ | ✓ |
| 720-472 | 1/2" | 1/2" | (1) 1/2" x 3/8" | Straight / Angle | Yes | ✓ | ✓ |
| 720-474 | | | (1) 3/4" x 1/2" , (1) 1/2" x 3/8" | | | ✓ | ✓ |

Retro-Fit Pilot Ignition Kit



Features

- Replaces standing pilots on gas furnaces and other gas appliances
- Electronic flame sensor provides flame rectification for faster, safer operation
- **Everything to upgrade to Spark Ignition**

Specifications

- Intermittent pilot burns only when thermostat calls for heat
- Universal electrode/sensor assembly adapts to most thermocouple-type pilots
- Single pilot, 24V



712-008

| Part # | BTU Capacity | Inlet Connection | Outlet Connection | NAT | LP |
|---------|--------------|------------------|-------------------|-----|----|
| 712-008 | 150,000 | 1/2" | 3/4" | ✓ | ✓ |

Intermittent Pilots - Direct Spark & Hot Surface



Features

- For 24V and millivolt systems
- Manual gas valve with automatic safety pilot
- Mount in any position, except upside down

Specifications

- Intermittent pilot burns only when thermostat calls for heat
- 720-079 universal electrode/sensor assembly adapts to most thermocouple-type pilots



720-079

| Part # | Description | BTU Capacity | Inlet Connection | Outlet Connection | Outlet | NAT | LP |
|---------|--|--------------|------------------|-------------------|------------------|-----|----|
| 720-079 | Universal Pilot | 150,000 | 1/2" | 3/4" | Straight / Angle | ✓ | ✓ |
| 700-059 | Slow Opening Valve for IP, HSI, or DSI | 720,000 | 1" | 1" | Straight Through | ✓ | — |

Direct Replacement Intermittent Ignition Valves



Features

- Compact, multi-function replacement valves
- Equipped with solenoid operated redundant valves
- Valves can be mounted vertically or horizontally

Features

- Intermittent pilot burns only when thermostat calls for heat
- Universal electrode/sensor assembly adapts to most thermocouple-type pilots
- Single pilot, 24V



36G22-254B1



36H64-463

| Part # | BTU Capacity | Opening Style | Inlet Conn. | Outlet Conn. | Outlet | Replaces | NAT | LP | |
|-------------|--------------|-------------------|-------------|--------------|---------------------------|------------------|--------------------------|----|---|
| 36H32-304 | 300,000 | Fast | 1/2" | 3/4" | Straight / Angle | — | ✓ | ✓ | |
| 36H32-423 | | Fast | 3/4" | | Straight Through | — | ✓ | ✓ | |
| 36H32-463 | | Fast 2-Stage Adj. | | | | 36C76 Series | ✓ | ✓ | |
| 36H33-412 | | Universal Slow | | | | — | ✓ | ✓ | |
| 36G22-254B1 | 140,000 | Fast | 1/2" | 1/2" | | Straight Through | Goodman | ✓ | ✓ |
| 36J55-214 | | Slow 2- Stage | | | — | | ✓ | ✓ | |
| 36J54-214 | | Fast 2-Stage | | | 1/2" | Straight / Angle | Goodman, Trane, and York | ✓ | ✓ |
| 36J22-214 | | Fast | | | 36G22-214 | | ✓ | ✓ | |
| 36J24-214 | | Slow | | | Trane, Carrier, York OEMs | | ✓ | ✓ | |

Electronic Fan Timer

Universal electronic fan timer replaces ST9120, ST9101, ST9141, and ST9160 models installed in gas warm air furnaces. Integrates control of combustion blower and circulating fan operations for a gas warm air appliance.

Features

- Replaces 40+ existing electronic fan timers
- Interface harnesses for simple conversion
- Integrates control of all combustion blower and circulating fan operations in gas warm-air appliance

Features

- Replaceable fuse
- DIP switch selectable heat and cool delay on and off times
- Electronic air cleaner and humidifier terminal connections
- Continuous low speed indoor air circulation



ST9120U1011

| Part # | Replaces | Dimensions |
|-------------|--|---------------------------|
| ST9120U1011 | All ST9101's, all ST9120's, all ST9141's, and all ST9160's | 1.5" H x 4.5" W x 5.75" L |

Electronic Fan Timer

The 50F06-843 is an aftermarket universal replacement fan timer control for single stage furnaces with PSC inducer and blower motors. Works with non-integrated furnace controls or intelligent valves.

Features

- Universal Furnace Electronic Fan Timer control for single stage furnaces with PSC inducer and blower motors
- Works with non-integrated furnace controls or intelligent gas valves
- Six mounting hole options
- Exclusive fault recall button

Features

- Terminals are labelled to match multiple existing boards
- Transformer connections offer 1/4" and 3/16" terminals
- Tri-Color LED displays status and fault codes



50F06-843

| Part # | Replaces | Dimensions |
|-----------|--|----------------------|
| 50F06-843 | Replaces over 150 models (including all ST9120U1011 replacements!) | 1.5" H x 5" W x 7" L |

Electronic Fan Timer / Burner Control

Oil Applications

The ST9103A1002 integrates control of burner and circulating fan operations in an oil furnace. A single circuit board providing combustion air blower control, two speed circulating air blower control, oil primary control, limit circuit inputs, thermostat wiring terminations, & a central appliance wiring point for oil applications.

Features

- Central appliance wiring point simplifies service
- Fixed or field-adjustable heat fan on delay

Features

- Field adjustable heat fan off delay
- Controls two speed circulating fan
- Oil burner primary control



ST9103A1002

| Part # | Replaces | Dimensions |
|-------------|--|--------------------------|
| ST9103A1002 | ST9103A1006, ST9103A1028, ST9103A1036, ST9103A1038 | 1.9" H x 5.5" W x 7.3" L |

BC Blower Control

| Part # | Description | Control Volts | Relay Contacts |
|--------|--|---------------|----------------|
| BC7070 | Time Delay Blower Control for Heil, Tempstar, and Comfortmaker | 24 VAC | SPST |



BC7070

Universal Intermittent Ignition Module

resideo

Universal intermittent pilot ignition module replaces multiple field installed intermittent pilot modules supplied by Resideo, Robertshaw, Johnson, and UTEC (HSC). Uses existing intermittent pilot burner. Includes cross reference, instructions, and accessories for easy replacement.

Features

- Replaces over 400 White-Rogers, Robertshaw and Resideo intermittent pilot ignition modules
- Provides ignition sequencing, flame monitoring and safety shutoff for intermittent pilot warm air furnaces and heating appliances

Features

- For use in single rod or dual rod/remote sense applications
- Includes spark cable adapters to allow field replacement of both Resideo and competitive controls without replacing existing spark cable



S8610U3009

| Part # | Volts | Dimensions (H x W x L) | NAT | LP |
|------------|-------|-----------------------------|-----|----|
| S8610U3009 | 24 | 3-15/16" x 5-7/16" x 2-5/8" | ✓ | ✓ |

Replaces over 400 White-Rogers, Robertshaw and Resideo intermittent pilot ignition modules

Integrated Furnace Control

resideo

Universal Integrated Furnace Control offers universal compatibility and diagnostics. It replaces a large number of furnace control models in single-stage warm air furnaces. Includes instructions and special wire harnesses for easy replacement.

Features

- Main burner ignition using a 120V hot surface ignitor.
- Remote monitoring of system pressure switch, high temperature limit, and roll-out functions.
- Twinning capability

Features

- Controls circulating fan motor based on appliance requirements, in response to a conventional low volts thermostat.
- LED system status, performance and diagnostic indication.



S9200U1000

| Part # | Application | Volts | NAT | LP |
|------------|--------------------------------|-------|-----|----|
| S9200U1000 | Single Stage Warm Air Furnaces | 120 | ✓ | ✓ |

REPLACES THESE INTEGRATED FURNACE CONTROLS

| Manufacturer | Model Numbers |
|---------------------|---|
| United Technologies | 1012-925A, 1012-925B, 1012-925C, 1012-955A, 1012955A, 1012-83-9651B, 1012-930, 1012933D, 1012-933D, 1012-83-9336AHSC1, 1012-83-9337A |
| Rheem / Robertshaw | 62-24268-01, 62-24268-02, 62-24268-03, 695-200 |
| Nordyne | 624557, 6245570, 624557-0, 624564, 6245640, 624591, 624591A, 624591A, 624591-B, 624591-C, 624591-D, 624628, 624628-0, 6246310, 624631-0, 624631A, 624631-A, 624631-B, 710128A, 902378, 902696, 903106 |
| York | 03100662000, 031-00662-000, 031-00662-700, 031-01140-000, 031-01140-001, 031011140002, 031-01140-002, 031-01140-701, 031-01140-702, 031.01234.000, 031-01234-700, 0310123500, 031-01235-700, 031-01250-000, 03101266000, 0310126700, 031-01267-000, 031-01267-001, 031-01267-001A, 031-01284-000, 03101933000, 031-01933-000, 031-01972-000, 031-01973-000, 031-02166-000, 03109166000, 03109167000, 33101933000, 331-01933-000, 33109167000, 331-01972-200, 43101972100, 431-01972-100, P03101267001, P031-0-1267-001, P031-01267-001, PTH031011400-00, CAR33101972200, CAR03101973000, CAR5DA55843, G951AD81401, G951AD81401C, G951AOB-1401C, G951A081402 |
| Copeland | 50T50-730, 50T35-743, 50A55-438, 50A55-474, 50A55-571, 50A55-843, 50A50-143, 50A50-286, 50A50-438, 50A50-209, 50A50-230, 50A55-241 |
| Goodman | 1809913, 18099-13S, 8180996, 81809906, B18099-6, 818099-06, 81809908, 818099-08, 81809910, B18099-10, B18009910, B180099-10, B1809913, B18099-13, B1809913S, B18099-13S, 818009913, B1B0099-13, CARB1809913S |

Auto Pilot Re-Light Kit

The Robertshaw® 785 Series Automatic Pilot Relight Kits are designed for use on rooftop heating equipment, water heaters, boilers, space heaters, unit heaters, dryers, and other commercial, industrial, and residential appliances where the problem of pilot outage may occur. It should only be applied to those systems which already incorporate the necessary pilot-safety control system.

| Part # | Includes | Description | Volts |
|---------|--|---|-----------|
| 785-001 | Ignition Module, Plug, and Mounting hardware | Detects Loss of Flame, Sparks Continuously Until the Pilot Relights | 24 or 120 |



Universal Intermittent Spark Ignition Control

All-Spark™ Intermittent Spark Ignition Controls

Features

- Highly configurable - replaces more than 1000 parts
- Configurable for both 24V intermittent pilot and direct spark ignition systems
- Provides ignition, proof of ignition, and precise timing
- LED diagnostic indicator

Specifications

- The first control in the residential HVAC industry to configure and diagnose via your mobile device
- White-Rodgers Connect App enabled
- Electrical rating: 18 - 30 Vac
- Flame out recognition time: 8 Sec

| Part # | Description |
|------------|---|
| 50D50U-843 | Intermittent Pilot / Direct Spark Ignition Module |



The perfect truck stock item!

Intelligent Valve Retro-Fit Kit

Intelligent intermittent pilot HSI retrofit designed to replace OEM and aftermarket smart valves. Bundle and save on a gas valve, ignition module, and ignitor.

Features

- Cost Competitive upgrade
- Fault recall with push-button
- Stock one kit instead of multiple parts

Features

- Selectable OEM blower delays dip switch
- Main board with full cover and fault code label

| Part # | Description |
|-------------|---|
| 50I56D-905* | Intermittent pilot HSI retrofit kit for ICP, Lennox single stage PSC furnaces. Cost competitive upgrade to modern technology for intelligent valve systems. |



50I56D-905

*Includes

- (1) **50I56-905** - Integrated Ignition Control
- (1) **791Q-905KT1** - 120V Ignitor + Flame Sensor Assembly
- (1) **36G33-905 IP** - Gas Valve with LP Conversion Kit

CROSS REFERENCES:

| | | | | | |
|--|-------------|----------------------|--------------------|--------------------------|------------|
| Honeywell (ICP or Lennox furnaces only) | SV9501H2417 | ICP/Arcoaire/ | 1011421 | HQ1011024HW | 43166-001 |
| | SV9501M2056 | Comfortmaker/ | 1096725 | HQ1011421HW | 44479-001 |
| | SV9501M2528 | Heil/Tempstar | 1170429 | HQ1096725HW | 70L53 |
| SV9500H2609 | SV9501M2700 | 1008751 | 1170430 | HQ1170429HW | 70L5301 |
| SV9500H2724 | SV9501M2718 | 1008752 | HQ1008751HW | HQ1170430HW | R20270901 |
| SV9500M2628 | SV9501M2726 | 1009089 | HQ1008752HW | Lennox/Armstrong/ | R20270902 |
| SV9500M2682 | SV9502H1706 | 1009090 | HQ1009089HW | Ducane/Excel/ | R42487-001 |
| SV9500M2690 | SV9502H2522 | 1009093 | HQ1009090HW | AirEase/Concord | R43166-001 |
| SV9500M2708 | SV9502H2704 | 1009094 | HQ1009093HW | 20256701 | R44479-001 |
| SV9501H2409 | | 1010988 | HQ1009094HW | 42487-001 | |
| | | 1011024 | HQ1010988HW | | |

Universal Non-Integrated HSI Ignition Module

COPELAND

| Part # | Description | Replaces |
|------------|--|--------------------------|
| 50E47U-843 | Universal Hot Surface Ignition Module Replaces 24V, 120V, or 240V Non-Integrated (HSI) Modules | 325+ Part Numbers |

SIMPLIFY SETUP WITH THE WHITE-RODGERS CONNECT APP

- Simple configuration without power prior to install
- Select preloaded OEM settings with Auto-Set
- Diagnose fault codes and troubleshoot confidently
- No Wi-Fi, cell service or login required

STREAMLINE INVENTORY

- Universal replacement for Fenwal, Honeywell, UTEC, ICM & Robertshaw
- Multiple voltage for 24V, 120V and 240V ignitors
- Energizes an inducer motor and monitors a pressure switch



50E47U-843

EASY INSTALLATION & DIAGNOSTICS

- Easy-install harness converts old board wiring
- Onboard digital display provides alternate configuration, operation status, diagnostics & real-time flame current







WHITE-RODGERS MOBILE APP:



Get the latest **cross references**, installation resources, spec sheets, and more on your phone or tablet. **Download today.**



COMPETITIVE COMPARISON

| |  |  |  |  |  |  |
|--------------------------|---|---|---|--|---|---|
| Options | Fenwal 35-65, 66 | Robertshaw 780-787 | ICM 283 | Honeywell / Resideo S89103000 | (current) White-Rodgers 50E47-843 | (New) White-Rodgers 50E47U-843 |
| Flame Sense Type | Either/Or | Remote | Both | Both | Both | Both |
| Gas Valve Contact Rating | 2A | 1.5 | 1.5 | 2A | 1.5A | 2A |
| Control Voltage | 24V 50/60Hz | 24V 60Hz | 24V 60Hz | 24V 60Hz | 24V 60Hz | 24V 50/60Hz |
| Ignitor Voltage | 24/120/240V | 120V | 120V | 120V | 120V | 24/120/240V |
| Inducer/PSW | Yes | No | No | No | No | Yes |
| Mobile App | No | No | No | No | No | WR Connect |
| Configuration | None | None | Dipswitches | Dipswitches | Keys | App or Push Buttons |
| Display | Single LED Bulb | None | Single LED Bulb | Single LED Bulb | Single LED Bulb | 3 Digit 7-Segment |
| Diagnostics | Count LED Flashes | None | Count LED Flashes | Count LED Flashes | Count LED Flashes | Read on display or app |
| Flame Current Test | No | No | No | Test pads | No | Digital Readout or Test Pins |
| Integrated Thermostat | No | No | No | No | No | Yes |

Single Stage HSI Integrated Furnace Control

COPELAND

| Part # | Description | Application | Replaces |
|------------|---|-------------------------|--------------------------|
| 50M56X-843 | Universal Single Stage HSI Integrated Furnace Control | PSC & ECM Blower Motors | 550+ Part Numbers |



Streamline inventory

Configure for either PSC or ECMx blower motors
Save truck space by replacing over 550 part numbers



Simplify set up with the White-Rodgers Connect App

Simple configuration without power, prior to install
Select preloaded OEM settings with Auto-Set
Diagnose fault codes and troubleshoot confidently
No Wi-Fi, cell service or login required



Easy installation

OEM harness detection, no additional harnesses required
120V Nitride ignitor included
7-Segment LED Display provides easy configuration and diagnostics
No rollout accessory or wire required
Thermostat connector block for simple wiring

COMPETITIVE COMPARISON



| Product Feature | Resideo / Honeywell S9200U1000 | ICM ICM2812-KIT | White-Rodgers 50M56X-843 |
|--------------------------------------|-----------------------------------|-------------------------|--------------------------------------|
| Stages / Blower Types | 1 - PSC Only | 1 - PSC Only | 1 - PSC & ECMx |
| Mobile App | No | No | Yes – WR Connect |
| Harnesses | 8 | 11 | None – OEM harness detected |
| Cross-References | 200+ | 150+ | 550+ |
| Ignitor Voltage Serviced | 120V Only | 120V Only | 80V & 120V |
| Includes Universal Ignitor | No | No | Yes |
| Configuration Options | Limited - 4 Dipswitches | Limited - 2 Dipswitches | Unlimited App or Push Buttons |
| LED Displays | Tri-color LED | Red LED Only | Digital LED Display |
| Rollout Accessory | Difficult Wire Jumper | Difficult Wire Jumper | Not Required |
| Flame Current Test | No | No | Digital Readout or Test Pins |
| Full Cover w/ Fault Code Label | No - Tray Only | Yes | Yes |
| Fault Recall & Clearing | Jump R & D Terminals | Push Button | WR App / Push Buttons |
| Status & Diagnostics | Count LED Flashes | Count LED Flashes | Read on Display or App |
| Humidifier Output | 120V only | 120V only | 24V or 120V |
| 2nd Stage Cooling & Dehumidification | No | No | Yes |

Furnace Controls for Hot Surface Ignition

COPELAND

| Part # | Replaces |
|------------|--|
| 21D83M-843 | Lennox Surelight * |
| 21V51D-751 | Carrier 2 Stage Board * |
| 50A55-843 | Universal ALL 50A50 & 50A55 |
| 50A55-3797 | Trane * |
| 50A56-956 | York * |
| 50A65-5165 | Trane * |
| 50A66-743 | Lennox * |
| 50E47-843 | 50E47 Series/S89-S890 Honeywell |
| 50E47U-843 | 50E47 Series/S89-S890 Honeywell - Multi-Volt Ignitor! |
| 50E70-820 | Trane Commercial Packaged Units |
| 50M56U-751 | Carrier * |
| 50N02A-820 | Trane (May need adapter) 2-Stage DSI Trane |
| 50N02B-820 | Trane (May need adapter) 2-Stage DSI Trane |
| F50N02-820 | Adapter Harness for 50N02(A)(B) Boards listed above |
| 50T35-743 | Goodman B1809913 |
| 50M56-743 | Goodman PCBBF1325 |
| 50M56U-801 | Lennox 81W03, 56W19, 94W83, 74W03 |
| 50D50-801 | Lennox 30W33 |
| 50A55-743 | Goodman 013F00005, PCBBF1125, ICM286 |
| 50V54-820 | Trane Two Stage Furnace Control Boards |

* See Next Page (16) for Cross Reference Guide

Nitride Ignition Controls

COPELAND

| Part # | Description | Replaces |
|------------|--|-------------------------------------|
| 21V51U-843 | Universal 2-Stage HSI w/ ECM Motor w/ Ignitor Replaces | 50V51 & 50V61 Series |
| 21M51U-843 | | 50M51 & 50M61 Series |
| 50M56U-843 | Universal 1-Stage HSI Integrated Furnace Control w/ Ignitor Replaces | 50A55, 50A65, and many OEM Controls |



THE WHITE-RODGERS MOBILE APP:

Answers at your fingertips, with your smartphone or tablet.

- ✓ Latest cross reference
- ✓ Installation instructions
- ✓ Spec sheets
- ✓ Product selection



21D83M-843 Replaces:

| Lennox | White-Rodgers |
|-----------|---------------|
| 100925-01 | 56L8301 |
| 100925-02 | 56L84 |
| 100925-03 | 56L8401 |
| 10M93 | 63K89 |
| 124110 | 63K8901 |
| 17W92 | 65867 |
| 17W9201 | 69M08 |
| 23W51 | 69M0801 |
| 23W5101 | 69M15 |
| 24L85 | 69M1501 |
| 24L8501 | 83M00 |
| 30W25 | 83M001 |
| 30W2501 | 97L48 |
| 32M88 | 97L4801 |
| 56L83 | L39-564 |

50A56-956 Replaces:

| York | White-Rodgers |
|----------------|----------------|
| 265901 | S1-03101284000 |
| 265902 | S1-03101933000 |
| S1-03100662000 | S1-03101972000 |
| S1-03101250000 | S1-03101973000 |
| S1-03101266000 | S1-03109167000 |
| S1-03101267000 | S1-33102956000 |
| S1-03101267001 | S1-33103010000 |

21M51U-843 Replaces:

| 50M61-495 | 50M61-843 |
|------------|--------------|
| 18M3401 | 83L9301 |
| 20300001 | CNT03077 |
| 20300003 | CNT6424 |
| 21M51U-843 | D344301P01 |
| 46M9901 | PCBBF120S |
| 50M51-242 | PCBBF125 |
| 50M51-495 | X13650839010 |
| 50M61-120 | |
| 50M61-288 | |
| 50M61-289 | |

50M56-743 Replaces:

| Goodman |
|-------------|
| 0130F00006 |
| 0130F00006S |
| PCB00109 |
| PCBBF109 |
| PCBBF109S |

50N02A-820

| Trane |
|------------------------|
| CNT03456 |
| CNT03457 |
| X13650874-01 |
| X13650873-01 |
| CNT01634 w/ F50N02-820 |
| CNT01669 w/ F50N02-820 |
| CNT02216 w/ F50N02-820 |
| CNT02217 w/ F50N02-820 |

50A55-3797

| Trane |
|------------|
| CNT02789 |
| CNT02891 |
| CNT03799 |
| D341122P01 |
| D341235P01 |
| D341235P03 |

50A65-5165

| Trane |
|------------|
| CNT03076 |
| CNT03798 |
| CNT05184 |
| CNT05185 |
| D341213P01 |
| D341396P01 |
| D341396P03 |
| D341396P04 |
| D341396P05 |

50M56U-751

| Carrier |
|------------|
| 325878-751 |
| HK42FZ004 |
| HK42FZ007 |
| HK42FZ008 |
| HK42FZ009 |
| HK42FZ011 |
| HK42FZ013 |
| HK42FZ016 |
| HK42FZ034 |

50A66-743 Replaces:

| Lennox |
|-----------|
| 100925-01 |
| 100925-02 |
| 100925-03 |
| 17W92 |
| 17W9201 |
| 23W51 |
| 23W5101 |

50T35-743

| Goodman |
|------------|
| B18099-06 |
| B18099-08 |
| B18099-10 |
| B18099-13 |
| B18099-13S |
| CNT04664 |

50N02B-820

| Trane |
|--------------|
| CNT05135 |
| CNT03458 |
| D674713P01 |
| X13650875-01 |
| CNT02219 |
| CNT04912 |

21V51U-843 Replaces:

| 18M9901 | 50V51-507 | CNT 04018 |
|------------|-----------|--------------|
| 20300002 | 50V61-120 | CNT 04352 |
| 20300004 | 50V61-143 | CNT03078 |
| 20300006 | 50V61-288 | D156245P01 |
| 20300006S | 50V61-289 | D34142P01 |
| 21V51U-843 | 50V61-480 | PCB00106 |
| 49M5901 | 50V61-486 | PCB00106S |
| 50V51-243 | 50V61-507 | PCBBF106 |
| 50V51-288 | B1809925 | PCBBF106S |
| 50V51-289 | B1809927 | PCBBF107S |
| 50V51-290 | B1809927S | X13650840010 |

Universal Heat Pump Defrost Control

COPELAND

Features

- Replaces over 400 defrost controls
- Selectable demand or timed defrost
- Universal mounting with rotating display
- Preconfigured for major OEMs

Features

- Integrated indoor thermostat
- Access set up and diagnostic menus from any orientation
- Brown out and short cycle protection

| Part # | Description | Volts |
|------------|--|-------|
| 47D01U-843 | Universal Single Stage Heat Pump Defrost Control | 24 |



Universal Replacement

Replaces over 400 part numbers
Selectable demand or timed defrost modes
Q or R reversing valve
Configures to any system



Easy Installation & Set Up

One-button configuration to any OEM system
Integrated outdoor thermostat
Includes outdoor sensors
Test mode to verify installation and troubleshoot



Versatile Matrix Display

Access set up and diagnostic menus from any orientation by rotating the display



Compressor Protection

Brownout and short-cycle protection plus Hi/Low pressure inputs

OEM Replacements Fan Blower Controls



Features

- Controls the circulating fan in heat pump, air conditioning, and forced air systems

Features

- Time continues to run the fan at the end of the heating/cooling cycle, thereby purging ducts of residual air and increasing system efficiency

| Part # | Switch Action | Volts | Control Action | Time Delay |
|--------|---------------|-------|----------------------|--|
| ICM255 | Relay | 18-30 | On Delay / Off Delay | On: 1 Sec, Off: 60 Sec |
| ICM271 | | | | Heat Blower On: 75 Sec, Heat Blower Off: 105 Sec, Cool Blower Off: 90 Sec |
| ICM275 | | | | Heat Blower On: 60 Sec, Heat Blower Off: 60-240 Sec, Cool Blower Off: 90 Sec |



ICM255

OEM Replacement Furnace Control Boards



Features

- Microprocessor-based design for precise time
- Compatible with all 24 Vac thermostats

Features

- Blinking LED diagnostic fault codes for simple troubleshooting

| Part # | Description |
|------------|--|
| ICM280 | See Next Page For Cross Reference (18) |
| ICM281 | |
| ICM282B | |
| ICM288 | |
| ICM289 | |
| ICM292 | |
| ICM2804 | |
| ICM2810 | |
| ICM2811 | |
| ICM2812KIT | |
| ICM2813 | Universal HSI Control w/ Wiring Harness |
| ICM2813 | Furnace Control Board - Replaces PCBBF112 & More |

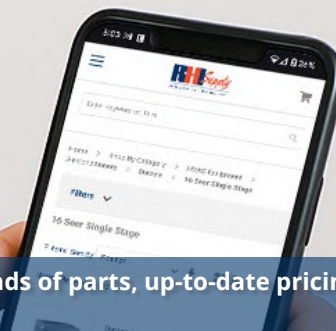


ICM280



YOUR NEXT PART IS JUST A TAP AWAY

Talk to your local RHI Supply today and unlock instant access to thousands of parts, up-to-date pricing, exclusive promotional offers, and more—all in the palm of your hand



OEM Replacement DSI Gas Ignition Control Boards

Features

- Controls inducer motor, blower motor, air cleaner (if equipped), spark ignitor & gas valve

Features

- Monitors timing, trial for ignition, system switches, flame sensing and lockout
- Compatible with LP or natural gas



ICM2907



| Part # | Ignition Trials | Ignition Trial Time | Retries | Prepurge Period | Replaces |
|---------|-----------------|---------------------|---------|-----------------|----------|
| ICM2907 | 3 | 4 Sec | 3 | 20 Sec | Reznor |
| ICM2909 | 1 | 7 Sec | 3 | 3 Sec | Rheem |

ICM Aftermarket Boards

Precision Control for Every System.

ICM offers low cost OEM footprint replacement fan blower controls, furnace control boards, and ignition modules for many different OEM models. These controls monitor safety switches and provide on and off delays, as well as control the speed of the fans in heat pumps, air conditioners, and forced air systems according to the logic of the original board.

Cross Reference

| FAN BLOWER CONTROLS | |
|---|--------|
| A-1: 5893 | ICM255 |
| Bard: 8201-056 | ICM255 |
| Carrier: 302075-3, CES0110017, CES0110018, | ICM271 |
| Carrier: CES0110019 | ICM275 |
| Carrier: HH84AA001/003/005/009/014/015/021 | ICM275 |
| Carrier: HH84AA010/011/012/013/020, P771-7002 | ICM271 |
| Carrier: HK61GA001/03 | ICM272 |
| EMI: 240000-969 | ICM273 |
| EMI: 240-1764 | ICM274 |
| Evcon: 2702-300 | ICM270 |
| Field Controls: 46144700 | ICM253 |
| Gemline: 1C216 | ICM253 |
| Goodman: B1370735S, PCBFM131S | ICM277 |
| Goodman: PCBFM 103 | ICM256 |
| Honeywell: S876A1016 | ICM254 |
| MARS: 32377, 32378, 32379 | ICM251 |
| MARS: 32393 | ICM253 |
| MARS: 32574 | ICM255 |
| Rheem: 42-22515-01/02/03 | ICM255 |
| Rheem: 47-22827-01 | ICM270 |
| Rheem: 47-22827-81/82/83 | ICM270 |
| Rheem: 47-22828-01/02 | ICM270 |
| Robertshaw: 695-003 | ICM270 |
| Robertshaw: 695-100 | ICM271 |
| Robertshaw: 695-101 | ICM275 |
| Snyder General/ICP: 1395336 | ICM255 |
| Texas Instruments: 2FD-1 | ICM272 |
| Watsco: PSTD-000-005W, PSTD-000-060W | ICM254 |

| FURNACE CONTROL BOARDS | |
|--|----------|
| Carrier: 325878-751 | ICM282 |
| Carrier: CES0110057-00/01/02 | ICM281 |
| Carrier: CES0110020, CES0110048 | ICM281 |
| Carrier: CES0110074-01 | ICM2804 |
| Carrier: HK42FZ-004/007/008/009/ 011/013/016 | ICM282A |
| Carrier: HK42FZ017 | ICM2807 |
| Carrier: HH84AA016 | ICM281 |
| Carrier: LH33WP003/3A | ICM291 |
| Goodman: PCBBF112S, B1809926S | ICM286 |
| Goodman: B18099-04 | ICM287 |
| Goodman: B18099-06/08/10/13/13S | ICM280 |
| Lennox: All BCC1, BCC2, BCC3 circuit boards, including 48K98 | ICM289 |
| Nordyne: 624631 | ICM2805A |
| Rheem: 62-24140-04 | ICM292 |
| Rheem: 62-24084-82 | ICM288 |
| Texas Instruments: 41F-5 | ICM280 |
| UTEC: 1012-933D | ICM280 |
| White-Rodgers: 50T35-730, 50T35-743 | ICM280 |
| White Rodgers: 50T55-289-03 | ICM2809 |
| York: 03101280000 | ICM284 |
| York: S1-331-03010000, S1-331-02956000 | ICM2808 |
| York: 7990-319P | ICM2801 |

| GAS IGNITION CONTROLS | |
|--|---------|
| Carrier: LH33WZ510 | ICM295 |
| Carrier: LH33WZ512A | ICM296 |
| Honeywell: S8610U (and compatible Camstat, Fenwal, HSC, Penn-Johnson, Robertshaw and White Rodgers models) | ICM290A |
| Honeywell: S8910U-1000 | ICM283 |
| Johnson Controls: G770RJA-1 | ICM2901 |
| Lennox: G776 (63K2401, 41K8701, 69J3601) | ICM2902 |
| Robertshaw: H5780 | ICM283 |
| White Rodgers: 50E47, 50F47 | ICM283 |

Solid State Time Delays

Features

- Protects against short cycling
- Compact design

Features

- Allows customization of delay intervals to suit specific system requirements

| Part # | Description | Volts | Time Delay |
|--------|----------------|--------|--------------------|
| 102B | Delay on Make | 18-240 | 1.8 - 600 Seconds |
| 103B | Delay on Make | | 1 - 1,023 Seconds |
| 175B | Bypass Timer | | 10 - 1,000 Seconds |
| 203B | Delay on Break | | 1.8 - 600 Seconds |



Single-Phase Head Pressure Control

Features

- Near field communication (NFC) configurable using the ICM OMNI app
- Controls up to 3 refrigeration circuits
- Universal 120-600 VAC line voltage and 24-240 VAC control voltage
- Isolated 24 VAC supply

Features

- Helps prevent evaporator freeze-ups, low pressure cut-outs, and liquid slugged compressors in low ambient conditions
- Eliminates overshoots common to on / off and pressure switch controls

| Part # | Operating Temp Range | Volts | Sensor |
|---------|----------------------|-----------|-----------------------------|
| ICM325A | -40°F to +176°F | 120 - 600 | Temperature or Sensor Range |



Phase Monitors

Features

- Phase loss and imbalance detection
- Instantly responds to electrical anomalies, minimizing system downtime

Features

- LED status indicators for easy troubleshooting and monitoring

| Part # | Description | Volts |
|---------|----------------------------|------------------------------------|
| ICM450A | Three Phase Monitor | 190-630 Vac (18 - 240 control Vac) |
| ICM491 | Single Phase Power Monitor | 95-270 Vac |



Universal Programmable Timer

App Configurable - Set it Up w/ Your Phone!

Features

- Delay on make, delay on break, bypass timer, and more - **all in one!**

Features

- Compatible with over 85 legacy ICM timers

| Part # | Description | Time Delay | Volts | Switch Action |
|-----------|-----------------------------|------------------|--------|---------------|
| ICMUFPT-2 | 2-Wire Universal Time Delay | 0-100 Hours Adj. | 24-240 | Solid State |
| ICMUPFT-5 | 5-Wire Universal Time Delay | 0-100 Hours Adj. | 24-240 | Relay |



ICM Omni NFC Device Configuration Using Your Smartphone



Temporary Construction Thermostats

| Part # | Description | Volts | Temperature |
|--------|---|-------------|---------------|
| ACH060 | 2 Wire Temporary Construction Thermostats | 18 / 30 VAC | 60°F (+/-5°F) |
| ACH065 | | | 65°F (+/-5°F) |
| ACH070 | | | 70°F (+/-5°F) |
| ACH075 | | | 75°F (+/-5°F) |



ACH060

Garage Thermostat

Features

- Easy-to-read display with large temperature display
- Simple installation and can be connected to most heating and cooling systems

Features

- Helps reduce energy costs by maintaining optimal temperature levels
- Built to withstand tough environments, ensuring long-lasting performance in garages, workshops, and utility rooms

| Part # | Description | Temperature |
|---------|--------------------------------------|--------------|
| FS1500L | Horizontal Digital Garage Thermostat | 35°F to 75°F |



FS1500L

IO Controls

Features

- Compatible with a wide range of HVAC equipment
- Improves system efficiency, reduces energy consumption, and minimizes wear and tear on components

Features

- Ideal for quick deployment with minimal downtime
- Comprehensive control of various functions from fan control to load shedding

| Part # | Description | Relay | Balance Point Range |
|------------|------------------------|-------|---------------------|
| IO-DFK-ODT | Outdoor Lockout for HP | SPDT | 0°F to 100°F |
| IO-LL | Lead Lag Controller | — | — |
| IO-TWIN | Universal Twinning Kit | — | — |



IO-LL



IO-DFK-ODT

RHI Pro Tip

On Temp. Fall - Red and Blue open, Red and Black Close



Bill Porter Controls

Features

- Extends life of key components by managing overloads
- Reduces downtime

Features

- Designed for quick setup and seamless operation
- Broad compatibility and easy adaptation

| Part # | Description | Relay | Balance Point Range |
|---------|---|-------|---------------------|
| BPC-ODS | Bill Porter Outdoor Sensor for Lock Out | SPDT | 5°F to 50°F |
| BPC-1 | Bill Porter Dual Fuel Board (Requires outdoor sensor) | — | — |



BPC-ODS

Lennox *PULSE* Replacement Board

Replacement Model for

- Replacement model for G891TCA-8103 Lennox 'PULSE' furnace

Replaces

- Lennox parts #60J00, 52J18, 97H02, 96C66, 86H30, 77C38, 77C3801, 73K86, 73K8601, 56G14, 41F46, 99C97, and 99C9701PR



*Includes

- (1) 6 Pin Connector
- (1) Ground Wire
- (2) Terminals to convert spark into a 1/4" terminal and sensor terminal from 3/16" to 1/4"
- (1) Fan Timer Resistor

| Part # | Description | Ignition Trial Time | Prepurge Period |
|------------|-------------------------------|---------------------|-----------------|
| BGN891-1C* | Direct Spark Ignition Control | 8 sec | 30 sec |

Other Lennox *PULSE* Parts

| Part # | Description | Replaces |
|---------|---|----------|
| F121500 | Crown 'PULSE' Spark Plug | 43G62 |
| F121507 | Crown 'PULSE' Sensor | 64K60 |
| 64L80 | Lennox Air Diaphragm 80k BTU and Below | — |
| 64L81 | Lennox Air Diaphragm 100k BTU and Below | — |
| 66D93 | Lennox Draft Inducer | 80C93 |
| 60L21 | Lennox Blower Motor | — |



64L80



F121500



Johnson *PENN* Thermocouples

| Part # | Description | Length |
|----------|----------------|--------|
| K15DA36H | Standard Penn | 36" |
| K15FA36H | Snap-In Style | |
| K19AT36H | Super Slim Jim | |



K15FA36H



Pilot Switches

Features

- Wired to interrupt automatic main gas valve circuit if pilot flame is extinguished

Features

- SPST Switch action

| Part # | Description | Replaces |
|---------|------------------------------|---|
| L62GB3C | Manual Reset - 100% Shut Off | Honeywell #C591A and ITT/General Controls #A100G543 |
| L62AA5C | Manual Reset | Honeywell #C434A, ITT/General Controls #A100G542 and White-Rodgers #30E02-1 |

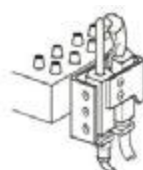


L62GB3C



Universal Pilot Burners

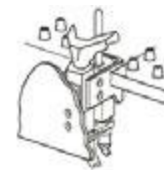
| Part # | Description |
|-----------|----------------------------|
| J999MHA2H | L - Channel Pilot Assembly |
| J999MKA2H | Shell Style Pilot Assembly |
| J999MYA2H | Y - Channel Pilot Assembly |



J999MHA2H



J999MKA2H



J999MYA2H



5' Pilot Tube Kits

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| Part # | Description | Outer Diameter | Length |
|------------|-------------------------------------|----------------|--------|
| MA-AT18-5 | Aluminum Tubing with Brass Fittings | 1/8" | 5' |
| MA-AT316-5 | | 3/16" | |
| MA-AT14-5 | | 1/4" | |
| MA-AT38-5 | | 3/8" | |



MA-AT18-5

Aquastats

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| Part # | Switch Action | Control Type | Temp. Switching Range | Differential Temp. | Mounting |
|------------|----------------|---|--|--------------------|-----------|
| L6006A1145 | SPDT | Electromechanical | 100°F to 240°F | 5°F to 30°F Adj. | Insertion |
| L6006C1018 | | | 65°F to 200°F | | Strap-On |
| L4006E1125 | 100°F to 200°F | | Manual Reset | Insertion | |
| L4006E1067 | 130°F to 270°F | | | | |
| L4006H1004 | 100°F to 240°F | | | Strap-On | |
| L8148A1017 | SPST | | 140°F to 240°F | 8°F Fixed | Insertion |
| L8148J1009 | | | 120°F to 240°F | | |
| L8148E1265 | | | 180°F to 240°F | Fixed | |
| R8182D1079 | Dual Aquastat | 110°F to 220°F (Low Limit) 130°F to 240°F (High Limit) | 8°F Fixed 10°F to 25°F Adj. | Insertion | |
| L7224U1002 | Dual Aquastat | Electronic 110°F to 220°F (Low Limit) 130°F to 240°F (High Limit) | 10°F to 25°F (Low Limit) 5°F to 20°F Adj. | | |

Fan and Limit Controls

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Features

- Three wiring terminal options available for easy installation
- Push-in receptacles for stripped wires
- Manual ON fan switch

Specifications

- Fan control range: 65°F to 215°F; minimum adjustable differential: 25°F
- Adjustable limit range: 100°F to 250°F; fixed limit differential: 25°F

| Part # | Element Length | Limit Temperature | Fan On Temp. |
|------------|----------------|-------------------|---------------|
| L4064B2228 | 5" | 100°F to 250°F | 65°F to 215°F |
| L4064B2236 | 8" | | |
| L4064B2210 | 11-1/2" | | |



L4064B2210

Fan and Limit Controls

COPELAND

Features

- Quick response bimetal element
- Snap action switches guarantee positive ON/OFF operation
- Manual ON fan switch

Specifications

- Fan control range: 50°F to 265°F; minimum adjustable differential: 15°F
- Adjustable limit range: 100°F to 300°F; fixed limit differential: 25°F

| Part # | Element Length | Limit Temperature | Dimensions (H x W x D) |
|---------|----------------|-------------------|------------------------|
| 5D51-35 | 5" | 100°F to 300°F | 4-1/4" x 3" x 1-1/2" |
| 5D51-90 | 8" | | |
| 5D51-78 | 11" | | |



5D51-35

Fan Control Centers

Features

- Low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling or air condition systems

Application

- Single or Two-Speed Fans, Air Conditioning

| Part # | Switch Action | Primary Volts | Secondary Volts |
|------------|---------------|-----------------|-----------------|
| R8285A1048 | SPDT | 120 | 26.5 |
| R8285B1053 | DPDT | 120 / 208 / 240 | |



R8285A1048

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Fan Control Center

| Part # | Switch Action | Primary Volts | Secondary Volts |
|--------|---------------|---------------|-----------------|
| 90-113 | SPDT | 120 | 24 |



90-113

COPELAND

Temperature Controller

Features

- Controls temperature in duct, tank, freezer, or cooler
- Ambient temperature compensation

Features

- Easy-to-wire screw terminals
- 8' remote bulb can be directly immersed in the controlled medium

| Part # | Temp. Range | Switch Action | Differential |
|------------|----------------|---------------|---------------|
| T6031A1136 | -30°F to +90°F | SPDT | 3.5°F to 16°F |



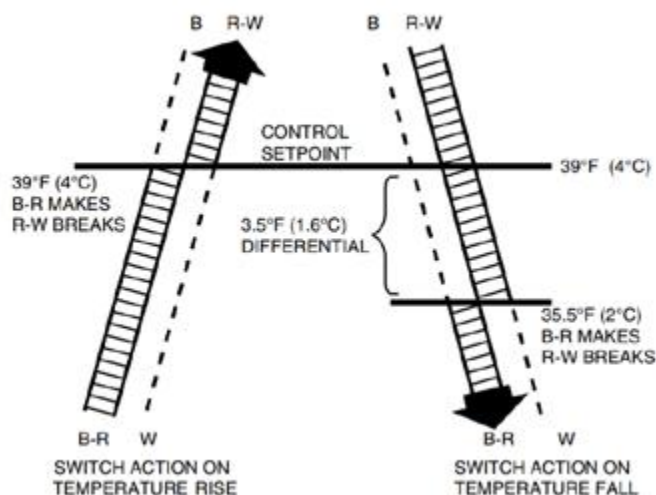
T6031A1136

Honeywell

RHI Pro Tip

This is one of our most popular temperature controllers. It's most often used for refrigeration. However, its wide temp range, adjustable differential, and SPDT relay allow it to be used for all sorts of applications.

It comes in handy, we suggest one for every truck!!



When the temperature at the sensing bulb rises above the controller setpoint, a circuit is made between the R-W terminals. During a temperature fall, the R-W circuit breaks at the setpoint temperature *minus* the switch differential. Controllers with a B terminal break the B-R terminal circuit on a temperature rise to the setpoint. B-R makes again when R-W breaks on a temperature drop. See Fig. 6.

For example, if a controller with a 3°F (1.7°C) differential is set at 39°F (3.9°C), R-W makes when the bulb temperature rises to 39°F. Then during a temperature fall, R-W breaks when the temperature drops to 35°F (1.7°C) (39°F minus the 3°F differential [3.9°C minus the 1.7°C differential]).

On models with a B terminal, B-R makes when R-W breaks. Then the temperature has to climb past the control differential to the set point of 39°F (3.9°C) before the B-R circuit breaks and the R-W circuit makes.

16E09-101

- Refrigeration or Heating Applications
- Alarm Output with Selectable Delay
Prevents false alarms
- No Common Wire Required*
Saves 30-60 minutes installation time when upgrading a mechanical control



Save
30-60 Minutes
Installation
Time

Multiple Input Voltage
(24/120/208/240 Volts AC)

Superior Temperature Control and Accuracy for Both Refrigeration and Heating Applications...and It's Universal, Too!

- 16E09-101 replaces most mechanical and electronic single stage controls using an SPDT output relay
- Offers the widest multiple voltage operating range: 24/120/208/240 VAC for truly universal replacement
- Does not require a common wire when electrical load is greater than 2.5 amps — saving 30 to 60 minutes installation time when upgrading a mechanical control
- Offers a wider than industry standard setpoint temperature range (-40°F to 220°F) and adjustable differential settings
- Reduces inventory — 16E09-101 replaces most competitive mechanical and electronic refrigeration controls

Temperature Controllers

WHITE • RODGERS
by COPELAND

| Part # | Description | Sensing Element | Temp. Range | Switch Action | Differential |
|-----------|--|-----------------|----------------|---------------|---|
| 1609-101 | Mechanical Temperature Control | 5' | -30°F to 90°F | Close-on-Rise | 3.5°F to 40°F Adj. (Slot Adjustment) |
| 1609-105 | Mechanical Temperature Control | 5' | -30°F to 90°F | Close-on-Rise | 3°F to 40°F Adj. (Knob Adjustment) |
| 16E09-101 | Electronic Temperature Control - Remote Bulb | 7.5' | -40°F to 220°F | SPDT | 1°F to 30°F Adj. |

Temperature and Humidity Controllers

NEW!

Robertshaw

Features

- Two output sockets to control temperature and humidity
- Large, easy-to-read, backlit LCD screen
- High & low temperature/humidity alarm

Features

- Includes 2 probes: fully submersible temperature sensor & dual temperature and humidity sensor
- Sensor fault alarm

| Part # | Volts | Temperature Control Range | Humidity Control Range | WiFi Connectivity |
|--------------|---------|---------------------------|------------------------|---|
| RTC-500 | | | | — |
| RTC-500-WIFI | 100-240 | 23 °F - 158 °F | 5 - 99%RH | WiFi Connectivity Allows for Remote Monitoring Through a Mobile App |



RTC-500

Universal Digital Oil Primary Control

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Features

- Universal application through field adjustable safety, valve-on delay, and motor-off delay timings
- Error history and baseline readings for cycle-trend readings

Features

- "Quick-fix" digital display delivers status and fault information to quickly resolve issues
- Logs last 10 event for easy recall
- Continuous state and CAD cell readings



R7284U1004

| Part # | Description | Ignition Type | Safety Timing |
|------------|---|---|--|
| R7284U1004 | Universal Digital Oil Primary (Diagnostic Info) | Intermittent or Interrupted - Control is Configurable | 14, 30, or 45 sec - Field Configurable |



I'm wired up and calling for heat but it won't do anything?

Check for 120V on 'Limit. If you don't have anything wired to 'Limit', jumper it to L1. 'Limit' has to have 120V to operate!

Detailed Diagnostic Information



The "quick-fix" digital display delivers clear data designed to lead you to any problem, fast. Patent-pending technology determines and displays why a lockout has occurred, including lack of spark at the electrode, partially-functioning flame sense, line voltage dips and more.

Simple, Streamlined Set-Up



We've made this model incredibly easy to operate. Set-up is simpler than ever, requiring no external tools to access the set-up and diagnostic features, saving you additional costs. Everything is fully operational out of the package.

Multi-Faceted Monitoring



The R7284 offers a display that monitors a variety of components outside of your controller. From cad cell and flame check to the voltage and the spark of the igniter, you can quickly tell how everything is functioning and, in case of a failure, which component is faulty ensuring the right part is fixed the first time.

Memory and Error History

The R7284 lets you keep track of system quality by accessing memory data that gives a clear picture of day-to-day performance. The error history capability defines when and how the controller encountered problems, and helps maintain knowledge when there is more than one technician involved in servicing the unit. There is also a baseline feature that uses a cycle-trend reading to determine if something is out of the norm, allowing troubleshooting during service check-ups before a no heat call occurs.

EnviraCOM™ Connection

Honeywell oil primary controls can fully integrate into any EnviraCOM communications system, which allows for remote monitoring with a simple 3-wire connection.

Additional Features

We've designed this unit with several unique capabilities and features like recessed wiring pocket to allow more space in tight junction box installations. It's engineered to be unmatched in its compatibility, including working seamlessly with power venters without integral timers.

Replaces These Honeywell Primary Controls

| | | | | |
|------------|------------|------------|------------|------------|
| R7184A1000 | R7184B1032 | R8184G1458 | R8184G4090 | R7184P1098 |
| R7184A1018 | R7184G1007 | R8184G4009 | R8184G4108 | R7184U1004 |
| R7184A1026 | R7184G1015 | R8184G4025 | R7184P1031 | R7184U1012 |
| R7184A1034 | R8184G1286 | R8184G4033 | R7184P1049 | R7184U1020 |
| R7184A1042 | R8184G1294 | R8184G4058 | R7184P1056 | |
| R7184A1075 | R8184G1302 | R8184G4066 | R7184P1064 | |
| R7184B1016 | R8184G1393 | R8184G4074 | R7184P1072 | |
| R7184B1024 | R8184G1427 | R8184G4082 | R7184P1080 | |

Other Brand Primary Controls

| | | |
|---------|-----------|-------------|
| 668-400 | 669-440 | 48245-S |
| 668-401 | 669-445 | 50200-02S |
| 668-415 | 669-470 | 602000-02S |
| 668-430 | 669-540 | 6020002S*** |
| 668-501 | 669-640 | 7505A1000 |
| 668-515 | 669-670 | 7505B1500 |
| 668-601 | 40200-02S | 7505P125M |
| 668-670 | 42230-02S | 7505P1515 |

Protectorelay Oil Primaries

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Features

- Solid-state flame sensing circuit
- Safety switch with external reset capabilities

Features

- Designed for easy installation and maintenance
- LED indicator for system status

| Part # | Description |
|------------|---|
| R7284B1024 | Electronic Primary with LED Lights |
| R8184G4009 | Cad Cell Relay (Oil Primary - 45 Sec) |
| R8184M1051 | Cad Cell Relay (Oil Primary w/ 40 VA Transformer) |



R7284B1024

CAD Cells

resideo

Features

- Use with R7184 or R8184 protectorelay oil primary controls
- Causes primary control to shut down main burner on flame loss or system malfunction

Features

- Includes mounting bracket (type R) and 60" leads (**C554A1463 only**)
- Glass-to-metal hermetic seal prevents deterioration of cell by humidity, soot, or oil fumes

| Part # | Description |
|-----------|----------------------------|
| C554A1463 | Complete CAD Cell Assembly |
| 120320 | CAD Cell 'EYE ONLY' |



C554A1463

How Do I Test A CAD Cell?

| OHM READING | CAUSE | ACTION |
|--------------------------------|--|---|
| Less than 1600 ohms (not zero) | CAD cell operating properly. | None |
| Infinite resistance | Open circuit. | Check for broken cell, holder, or wire. Loose cad cell in holder. If defective, replace necessary parts. |
| Above 1600 ohms (not infinite) | Defective or dirty CAD cell, misaligned sighting of flame, or improper flame adjustment. | Cleaning CAD cell and check for proper sighting of flame. Check for proper flame adjustment. If cell is defective then replace. |



120320

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Defrost Timers

PARAGON

Features

- One to six defrost cycles per day, four hours between cycles
- Cycle adjustable from four to 110 minutes, in two-minute increments
- Positive switch action slider bar
- Heavy-duty synchronous industrial type motor and steel enclosure
- Knockouts on bottom, back and sides
- Hasp and staple for padlock

Features

- 40A electrical rating; choice of three contact arrangements
- 8040 Series are time initiated, time terminated with accuracy of defrost duration \pm two minutes
- 8140 Series are time initiated, remote temperature or pressure terminated and control works with an external temperature or pressure sensor

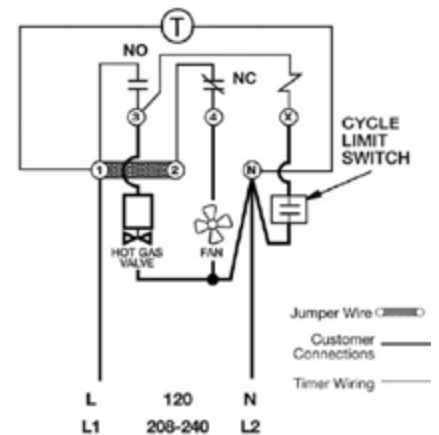


8145-AV

| Part # | Description | Volts | Contact Type | Electric / Hot Gas Defrost |
|--------------------------|--|----------------------|---------------|-------------------------------|
| 8045-00 | Off-Cycle Defrost | 120 Time Clock | 2 N.C.-1 N.O. | Time |
| 8045-20 | | 240 Time Clock | 1 N.C.-1 N.O. | |
| 8141-00 | For Electric or Hot Gas Defrost | 120 w/ Defrost Term. | 2 N.C.-1 N.O. | Time / Temperature / Pressure |
| 8145-00 | | 120 w/ Defrost Term. | SPDT | |
| 8145-20 | | 240 w/ Defrost Term. | SPDT | |
| 8145-20M | For Electric or Hot Gas Defrost (Mechanism Only) | 240 w/ Defrost Term. | SPDT | |
| Auto-Volts Defrost Timer | | | | |
| 8145-AV | Electric, Hot Gas, and Compressor Off Cycle | 120-277 | — | — |

8145 Defrost Cycle

- Time initiated, pressure or temperature terminated.
- Terminal 4 has power: Refrigeration compressor / fan is ON.
- Trippers on dial switch relay ON, defrost cycle begins.
- Terminal 4 has no power. Refrigeration compressor / fan turns OFF.
- Terminal 3 has power: Hot gas / electric heat defrost turns ON.
- Temperature-or-pressure switch connects to terminals N - X
- When temperature-or-pressure limit switch reaches trip point, it closes contacts to solenoid located inside timer that switches timer relay OFF.
- Defrost cycle ends.



Universal Digital Defrost Timers

PARAGON

Features

- Multi-volts automatic adjustment for 120, 208 or 240V, no jumpers or dip switches required
- Up to 12 defrost cycles per day, 15 minutes between cycles
- Lighted electronic display with touchpad adjustments

Features

- Easy set-up with 15-minute manual defrost
- Real time clock
- 100 hours of power loss protection
- Metal enclosure
- Switch rating



9045-00

| Part # | Description | Volts |
|---------|--|---------------|
| 9045-00 | Time Initiated / Time Terminated | 120 / 208-240 |
| 9145-00 | Time Initiated w/ External Termination | 120 / 208-240 |

FM1 Series Time Clocks

Features

- 21A SPDT switch
- Noise immune - ideal for robust applications

Features

- 1/4" Quick connect terminals
- Real clock face w/ captive trippers
- Manual override switch

| Part # | Description | Timing Interval | Maximum Cycle Time | Volts |
|--------------|----------------------------------|-----------------|--------------------|---------|
| FM1STUZH-24 | General Application Time Clock | 15 min | 24 hr | 24 |
| FM1STUZH-120 | | | | 120 |
| FM1STUZH-240 | | | | 208-240 |
| FM1SWUZ-24 | | 2 hr | 7 days | 24 |
| FM1SWUZ-120 | | | | 120 |
| Accessories | | | | |
| FM-SU | FM1 Surface Mount / DIN Rail Kit | | | |



FM1SWUZ-24



FM-SU

Auto-Voltage Commercial Time Switches

Features

- 40A heavy-duty DPDT switch
- Mounted in NEMA 3R outdoor case
- Automatically detects input voltage

Features

- 1/4" Quick connect terminals
- Real clock face w/ captive trippers
- Manual override switch

| Part # | Description | Timing Interval | Maximum Cycle Time | Volts |
|-------------|---|-----------------|--------------------|---------|
| GM40AV | Auto-Voltage Universal Time Switch (Mechanical) | 15 min | 24 hr | 120-240 |
| GM40AV-W | Auto-Voltage Universal Time Switch (Mechanical) | 2 hr | 7 days | |
| GM40AVERD89 | Auto-Voltage Universal Time Switch (Electronic) | | | |



GM40AV

Spring Wound Interval Timers

Features

- 20A SPST switch
- No electricity required to operate

Features

- Incandescent / fluorescent / CFL / LED compatible

| Part # | Description | Countdown Time | Color |
|--------|-----------------|----------------|-------|
| FD6MWC | Countdown Timer | 6 hr | White |
| FD6HW | | 60 min | |



FD6HW

Auto-Voltage Universal Defrost Timer

Features

- Auto-voltage automatically adjusts for 120 - 240 VAC
- Replaces most 120-240 volt time clocks

Features

- 40A, 2 HP rating
- LED indicators for defrost and refrigeration cycles



DTAV40

| Part # | Description | Max Cycle Time | Switch | Volts |
|-------------------------|---|----------------|-------------------|---------|
| DTAV40 | Auto-Voltage Defrost Timer | 24 hr | 1 SPDT, 1 NC SPST | 120-240 |
| DTAV40 'Add-On' Devices | | | | |
| DDFM | ICUBE Module - Includes Module, Sensor, and Cover Plate | | | |
| 178GR10K-1 | Additional Sensor For Multiple Evaporators | | | |



What is the ICUBE Adaptive Defrost Module?

When added to the DTAV40, the iCube provides the timer with the ability to skip scheduled defrost events when they are not needed. This a great way to boost your sale and save energy!



Contactors



| OEM | Part # | Description | Ind. Amps | Res. Amps | Poles | Volts | Screws | Lugs |
|-----------|-------------|-------------------|-----------|-----------|-------|---------|--------|------|
| Honeywell | DP1030A5014 | Economy Style | 30 | 48 | 1 | 24 | — | ✓ |
| | DP2030A1004 | Economy Style | 30 | 40 | 2 | 24 | ✓ | — |
| OEM | Part # | Old Furnas Number | Ind. Amps | Res. Amps | Poles | Volts | Screws | Lugs |
| Mars | 61345 | 45EG20AJ | 30 | 40 | 2 | 24 | ✓ | — |
| | 61346 | 45EG20AF | | | | 120 | | |
| | 61347 | 45EG20AG | | | | 208/240 | | |
| | 61755 | 45GG20AJL1 | 40 | 50 | 2 | 24 | — | ✓ |
| | 61756 | 45GG20AFL1 | | | | 120 | | |
| | 61757 | 45GG20AGL1 | | | | 208/240 | | |
| | 61430 | 42BF35AJ | 30 | 40 | 3 | 24 | ✓ | — |
| | 61431 | 42BF35AF | | | | 120 | | |
| | 61432 | 42BF35AG | | | | 208/240 | | |
| | 61445 | 42CF35AJ | 40 | 50 | 3 | 24 | — | ✓ |
| | 61446 | 42CF35AF | | | | 120 | | |
| | 61447 | 42CF35AG | | | | 208/240 | | |
| | 61460 | 42DF35AJ | 50 | 63 | 3 | 24 | — | ✓ |
| | 61461 | 42DF35AF | | | | 120 | | |
| | 61462 | 42DF35AG | | | | 208/240 | | |
| | 61470 | 42EF35AJ | 60 | 75 | 3 | 24 | — | ✓ |
| | 61471 | 42EF35AF | | | | 120 | | |
| | 61472 | 42EF35AG | | | | 208/240 | | |
| | 62480* | 42FE35AJ | 75 | 94 | 3 | 24 | — | ✓ |
| | 62481* | 42FE35AF | | | | 120 | | |
| | 62482* | 42FE35AG | | | | 208/240 | | |
| | 62490* | 42GE35AJ | 90 | 120 | 3 | 24 | — | ✓ |
| | 62491* | 42GE35AF | | | | 120 | | |
| | 62492* | 42GE35AG | | | | 208/240 | | |

* A2L Rated Contactors

Auxiliary Switches



| Part # | Description | Amps |
|--------|----------------------------------|---------|
| 61615 | Aux. Switch (for use with above) | 25 - 60 |
| 61623 | | 75 - 90 |

Why Does My Contactor Have Two Amp Ratings On It?

Most Volts switching devices list two different amp ratings:

Inductive: Motors and Magnetic loads. Devices that list a "Full Load" Amp draw. The draw changes at start up or load conditions. (Like a compressor)

Resistive: Non motor loads. The amp draw does not change at start up or operating conditions, it stays constant. (Like a heating element)

Titan Max Contactors - Heavy Duty

Packard

| Packard # | Mars # | Furnas # | Ind. Amps | Res. Amps | Poles | Volts | Lugs |
|-----------|--------|----------|-----------|-----------|-------|---------|------|
| TMX140A2 | NA | 45GG10AJ | 40 | 40 | 1 | 24 | ✓ |
| TMX230A2 | 61345 | 45EG20AJ | 30 | 40 | 2 | 24 | ✓ |
| TMX230B2 | 61346 | 45EG20AF | | | | 120 | |
| TMX230C2 | 61347 | 45EG20AG | | | | 208/240 | |
| TMX240A2 | 61755 | 45GG20AJ | 40 | 50 | 2 | 24 | ✓ |
| TMX240B2 | 61756 | 45GG20AF | | | | 120 | |
| TMX240C2 | 61757 | 45GG20AG | | | | 208/240 | |
| TMX330A2 | 61430 | 42BF35AJ | 30 | 40 | 3 | 24 | ✓ |
| TMX330B2 | 61431 | 42BF35AF | | | | 120 | |
| TMX330C2 | 61432 | 42BF35AG | | | | 208/240 | |
| TMX340A2 | 61445 | 42CF35AJ | 40 | 50 | 3 | 24 | ✓ |
| TMX340B2 | 61446 | 42CF35AF | | | | 120 | |
| TMX340C2 | 61447 | 42CF35AG | | | | 208/240 | |
| TMX350A2 | 61460 | 42DF35AJ | 50 | 65 | 3 | 24 | ✓ |
| TMX350B2 | 61461 | 42DF35AF | | | | 120 | |
| TMX350C2 | 61462 | 42DF35AG | | | | 208/240 | |
| TMX360A2 | 61470 | 42EF35AJ | 60 | 75 | 3 | 24 | ✓ |
| TMX360B2 | 61471 | 42EF35AF | | | | 120 | |
| TMX360C2 | 61472 | 42EF35AG | | | | 208/240 | |
| TMX375A2 | 61480 | 42FE35AJ | 75 | 90 | 3 | 24 | ✓ |
| TMX375B2 | 61481 | 42FE35AF | | | | 120 | |
| TMX375C2 | 61482 | 42FE35AG | | | | 208/240 | |
| TMX390A2 | 61490 | 42GE35AJ | 90 | 120 | 3 | 24 | ✓ |
| TMX390B2 | 61491 | 42GE35AF | | | | 120 | |
| TMX390C2 | 61492 | 42GE35AG | | | | 208/240 | |


TMX350C2

TMX240B2

TMX140A2

Auxiliary Switches

| | | |
|----------|--------------------------------------|---|
| TMXSPDT1 | Left Position SPDT Auxiliary Switch | Use w/ Titan Max 3-Pole Contactor 30 / 40 / 50 / 60 Amp Models |
| TMXSPDT2 | Right Position SPDT Auxiliary Switch | |

SureSwitch™ Multi-Volt Contactor

The Ultimate 40 Amp Truck Stock Contactor

Features

- Brownout Protection
- Zero chatter

Features

- Totally sealed to keep out bugs and debris
- Short cycle timer

| Part # | Amp | Poles | Coil Volts |
|-----------|---------------|------------------------------------|----------------------|
| 49M11-843 | 30 / 40 (FLA) | 1 / 1.5 / & Most 2-Pole Contactors | 24 / 120 / 208 / 240 |

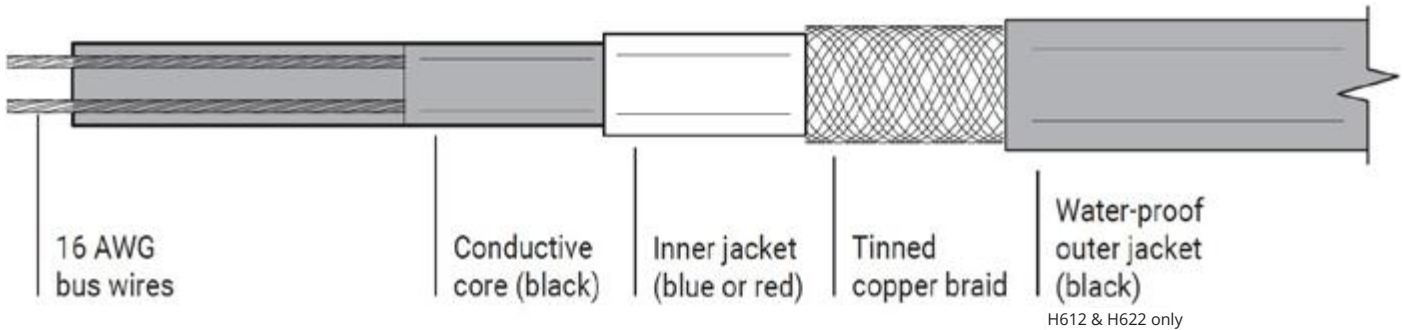

COPELAND

Heat Tape

| Part # | Description | Volts | Usage |
|--------|----------------------------------|-------|--|
| H611 | 6 Watts/ft @ 40 °F 250' Rolls | 120 | For Use in Dry Areas |
| H612 | | | For Use in Wet Areas (Fully Waterproof) |
| H621 | | 240 | For Use in Dry Areas |
| H622 | | | For Use in Wet Areas (Fully Waterproof) |



AVAILABLE BY THE FOOT!



Accessories

| Part # | Description |
|--------|--------------------------------|
| H908 | Plug-In Cord with built-in GFI |
| H910 | Splice and Tee Kit |
| H912 | Gel-Filled End Seal (QTY 2) |



Aftermarket Crank Case Heaters

| Part # | Description | Volts | Girth (Wraparound) |
|--------|---|-------|--------------------|
| CCH-1 | Aftermarket Compressor Crankcase Heater | 120 | 40" |
| CCH-2 | Ok To Overlap Onto Itself - Installs Like A Zip Tie | 240 | |



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Transformers

resideo

| Part # | Output Rating (VA) | Volts (Primary) | Volts (Secondary) | Mounting Configuration |
|-------------------------|--------------------|-----------------|-------------------|------------------------|
| AT140A1000 | 40 | 120 | 24 | Foot, Conduit, Plate |
| AT40A1121 | | 120 | | Foot |
| AT40A1139 | | 240 | | Foot |
| AT140A1018 | | 120 / 208 / 240 | | Foot, Conduit, Plate |
| AT150A1007 | 50 | 120 / 208 / 240 | | Foot, Conduit, Plate |
| AT150F1022 | | 120 / 208 / 240 | | Foot, Conduit |
| AT175A1008 | 75 | 120 / 240 | | Foot, Conduit, Plate |
| AT175F1023 | | 120 / 208 / 240 | | Foot, Conduit |
| AT175F1031 | | 208 / 277 / 480 | | Foot, Conduit |
| NEMA Rated Transformers | | | | |
| AT72D1683 | 40 | 120 | 24 | Foot, Conduit, Plate |
| AT72D1691 | | 208 / 240 | | Foot, Conduit, Plate |
| AT87A1106 | 48 | 120 / 208 / 240 | | Foot, Conduit, Plate |

What Exactly is a 'VA'?

Watts and VA are both units of measurement for power, but that's where the similarity ends. Watts do work or generate heat, while volt-amperes simply provide you with information you need to size wires, fuses, circuit breakers, or transformers. Often used for transformers; maximum output current is the VA rating divided by nominal output volts.

Example

A 24V transformer rated for 75VA is capable of up to 3.1 Amps.

$$(75\text{VA} \div 24\text{V} = \text{Amps})$$



Electric Heat Relays

resideo

Features

- Integrated 24v transformer
- Compatible with 24v thermostats with 2 wire (R, W) or 3-wire (R, W, C) connections

Features

- Low current consumption allows multiple relays to be controlled by a single thermostat

| Part # | Description | Volts | Resistive Amps |
|------------|---|-------|----------------|
| RC840T-120 | Electric heat relay with built-in transformer | 120 | 22 |
| RC840T-240 | | 240 | |



RC840T-120

Electric Heat Contactor

resideo

The "Quiet" Contactor

Features

- Simple ON-OFF switching - eliminates cold drafts on system start-up
- Use on furnaces with furnaces with a line voltage or pilot duty limit

Features

- Replaces over 50 electric heat primaries
- Can replace Honeywell R8222, R841, and R8246 series electric heat primaries
- 1/4" male quick-connect

| Part # | Description | Coil Volts | Electrical Rating (Res.) |
|------------|---|------------|--------------------------|
| R8246A1038 | Electric Heat 'Quiet Operating' Contactor Designed Especially for Electric Heat | 24 | 48 A @ 240/277 VAC |



R8246A1038

Enclosed Relays

| Part # | Coil Volts | Relay | Amps |
|---------|------------------------|--------|------|
| RIBU1C | 120 VAC / 10-30 VAC/DC | SPDT | 10 |
| RIBH1C | 240 VAC | SPDT | |
| RIBU2C | 120 VAC / 10-30 VAC/DC | 2-SPDT | |
| RIB24P | 24 VAC/DC | DPDT | 20 |
| RIB01P | 120 VAC | DPDT | |
| RIB02P | 240 VAC | DPDT | |
| RIB024Z | 24 VAC/DC | 2-SPDT | 30 |



Track Mount Power Relays

| Part # | Coil Volts | Relay | Amps |
|-------------|--|-------|------|
| RIBM24C | 24V Coil | SPDT | 15 |
| RIBMU1C | 24V or 120V Coil | | |
| RIBMU1SC | 24V or 120V w/ Switch | | |
| RIBM2401SBC | 24V or 120V w/ Switch | DPDT | 20 |
| RIBM24ZN | 24V Coil | | 30 |
| MT412 | 12" Track - for all RIB Track Mounted Relays | | |



SPST Switch Action Current Sensors

| Part # | Description | Threshold | Max Switching Current | Sensing Range | Output |
|---------|---|---------------|-----------------------|----------------|-----------|
| RIBXKF | Solid Core w/ 16" Leads | .25 A (Fixed) | 0.4 A | .25 to 150 Amp | 30 VAC/DC |
| RIBXGHF | Split Core w/ Terminal Strip | .5 A (Fixed) | 1.0 A | .5 to 150 Amp | 120 VAC |
| RIBXGTA | Split Core w/ 16" Leads Over / Under Amp Trip Point LEDs | Adjustable | 0.4 A | .75 to 150 Amp | 30 VAC/DC |



Transformers - Foot Hub / Circuit Breaker

| Part # | Description | Primary Volts | Secondary Volts | VA Ratings |
|------------|------------------------------------|----------------------------------|-----------------|------------|
| TR100VA001 | Multi-Tap Transformer | 120V | 24V | 100VA |
| TR100VA009 | Dual Threaded Hub Mount/Foot Mount | 480V / 277V / 240V / 208V / 120V | | 100VA |
| TR150VA001 | Single Hub | 120V | | 150VA |
| PSMN500A | Multi-Tap Transformer | 480V / 277V / 240V / 120V | | 500VA |

Wireless Current Sensor/Relay

Range up to 150'



| Part # | Input | Relay | Amps |
|-------------|--------|-------|------|
| RIBW01B-EN3 | 120VAC | SPDT | 20 |

Use 2 of the RIBW01B-EN together for a dry contact / relay output.

Power Supply

Enclosed General Purpose DC Power Supply

| Part # | Input | Output |
|---------|--------|-----------------------------|
| PSP24DA | 24 VAC | 1.5 to 30 Vdc Adjustable |



Power Relays

Features

- SPDT Through 4PDT, 10A Contacts
- Compact size saves space

| Part # | Relay | Coil Volts |
|--------------|-------|------------|
| RH2BULAC24V | 2PDT | 24 |
| RH3BULAC24V | 3PDT | 24 |
| RH3BULAC120V | | 120 |
| RH3BULAC240V | | 240 |
| RH4BULAC24V | 4PDT | 24 |



RH4BULAC24V

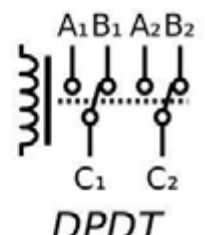
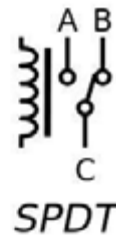


SH4B05

Relay Sockets



| Part # | Description |
|--------|------------------------------------|
| SH2B05 | Plug-in Base for 2-Pole Relays RH2 |
| SH3B05 | Plug-in Base for 3-Pole Relays RH3 |
| SH4B05 | Plug-in Base for 4-Pole Relays RH4 |



Switching Relays

Features

- Used for switching single- or two-speed fan motors, solenoids, relay, resistive loads, and general purpose switching
- Temperature range: -40°F to +150°F

Features

- 90-370 and 90-380 are heavy-duty relays with 48A Inrush ratings that allows for use in circuits with greater loads
- 8A Inductive rating @ 250V; 25A Inrush @ 250V

| Part # | Switch | Coil Volts | Amp Rating |
|---------|-----------|------------|------------|
| 90-290Q | SPNO | 24 | 8 |
| 90-291Q | | 120 | |
| 90-292Q | | 240 | |
| 90-293Q | SPDT | 24 | 8 |
| 90-294Q | | 120 | |
| 90-295Q | | 240 | |
| 90-340 | DPDT | 24 | 12 |
| 90-341 | | 120 | |
| 90-342 | | 240 | |
| 90-370 | SPDT | 24 | 12 |
| 90-380 | 1-NO/1-NC | 24 | |

COPELAND



90-293Q



90-340



90-370

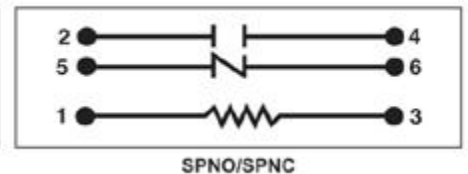
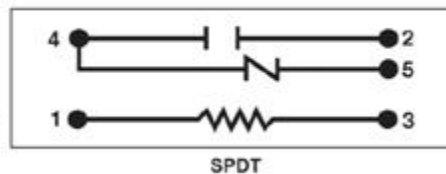
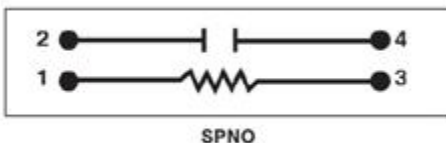


90-290Q



90-380

WIRING DIAGRAMS



Soot Vacs

| Part # | Description |
|-----------------------|---|
| 343978 | Mastercraft Soot Vac (3.5 Gallon) (28 Lbs.) Includes: 10 Ft Rubber Lined Canvas Hose, Swivel Hose Connector, 27" Crevice Tool, 14" Hose Cage, Cloth Filter and 5 Filter Bags |
| Tools and Accessories | |
| 4464S | Disposable Paper Filters (5 pack) - For Use With 641M |
| 4465S | "Sid Harvey" Vac Bags (5 pack) |
| 304352 | 27" Crevice Tool |
| Mitco | |
| S53-40M | 'Soot Snoot' Vacuum Hose - (4' Long 7/8" Diameter) |



Brushes - Boiler and Flue

| Part # | Description | Brush Diameter | Brush Length | Overall Length |
|--------|---|----------------|--------------|----------------|
| 01480 | Black Fiber (Tampico) Flue Tube Brush | 2" | 3" | 42" |
| 01324 | C.R. Stainless Steel Wire Flue Brush | 2" | 3" | 48" |
| 39961 | Black Fiber (Tampico) Tube Brush | 2" | 6" | 27" |
| 84205 | Weil-McLain Double Spiral Heavy Duty Flue Brush | 1-1/2" | 1-1/8" | 30" |
| 04860 | Horsehair Tube, Bottle, and Valve Guide Brush | 1/2" | 3" | 8-1/2" |
| 04865 | | 3/4" | 3" | 8-1/2" |
| 04870 | | 1" | 4" | 12-1/2" |
| 83015 | Single Spiral Wire Flue Brush | 1-1/4" | 4-1/2" | 8" |
| 83020 | | 1-1/2" | 4-1/2" | 8" |
| 83025 | | 1-3/4" | 4-1/2" | 8" |
| 83030 | | 2" | 4-1/2" | 8" |
| 83035 | | 2-1/4" | 4-1/2" | 8" |



Rubber Gloves

| Part # | Description | Count |
|--------------|--|-------|
| GPLHD (size) | Medical Grade - Double thick 'Blue' Gloves (L / XL) - Non-Powdered | 50 |
| GWON (size) | Extra Thick 'Orange' Nitrile Gloves (L / XL) - Extra Grip | 100 |



Odor Out

| Part # | Description |
|--------|----------------------------|
| 68512 | Rectorseal Odor Out Powder |
| 68516 | Rectorseal Odor Out Spray |



Kills Odors and Absorbs Oil

Hercules

HERCULES

| Part # | Description |
|--------|--|
| 35-427 | Flip stick - Soot Destroyer |
| 35-155 | Blot-O Plus - Fuel Oil Absorber (Powder) |



Delavan or Hago Fuel Oil Nozzles

| Size in GPH |
|-------------------|
| 0.40 GPH |
| 0.50 to 3.00 GPH |
| 3.25 to 15.00 GPH |



| Type | Delavan | Hago | Danfoss | Steinin | Monarch |
|------------|---------|---------|---------|---------|---------|
| Solid | B | ES or P | S | Q or S | R or AR |
| Semi-Solid | W | SS | B | SS | PL |
| Hollow | A | H | H | H | NS |

Oil Filters

| Part # | Legacy # | Description | Conn. Size |
|---------------------------|----------|--|------------|
| 1300 | 1A-25B | BioGasket Fuel Oil Filter (Complete) | 3/8" |
| 2000 | 1A-30 | General Filter Cartridge for the 1A-25A | — |
| 1308 | 2A-700B | BioGasket Fuel Oil Filter (Complete) | 3/8" |
| 2006 | 2A-710 | General Filter Cartridge for the 2A-700 | — |
| Rayon Replacement Filters | | | |
| F10-48 | | Replacement Filter Element for F10, General 1A-25A | |
| 41412-12 | | Crown 'Rayon' Refills for 2A-700 | |
| 41437 | | Crown 'Quick Spin' Head Only - Uses 41436 | |
| 41436 | | Crown 'Quick Spin' Filter Replaces: GAR-BER (R2605), WIX (2410) Westwood (F100-10), Sid Harvey (290-6) Mitco | |



Ignition Transformers

| Part # | Description |
|-----------|--|
| LJH-90A | Multiformer - "The Standard 3-Way" Universal Replacement Transformer |
| XD-BK-103 | For Beckett A & AF Burners |
| XD-WN-202 | For Wayne M & MH Burners |
| XD-WN-209 | For Wayne or Blue Angel Burners |
| A10-S32 | For Lennox Units |
| A06-SA6 | Single Pole - 6000 Volt |



We stock many more: call today!

Solid State Ignitors

| Part # | Description |
|------------|---|
| SSI-BK-103 | For Beckett A & AF Burners - "Solid State Ignitors" |
| SSI-UR200 | Universal Solid State Ignitor |
| SSI-RK-01 | Field Service Kit - 2 Solid State Ignitors w/ Bases For Most OEM Transformers |



Oil Burners

| Part # | Description | Capacity |
|--------|---------------------------------|-----------------|
| B-2007 | Beckett Oil Burner w/ Pre-Purge | 0.40 - 3.00 GPH |



B-2007

Beckett

Mounting Flange & Gaskets

| Part # | Description |
|--------|----------------------|
| 5432 | Adjustable Flange |
| 31653 | Round Flange Gasket |
| 31802 | Square Flange Gasket |



5432



31802



31653

Beckett

Beckett Replacement Parts

| Part # | Description |
|----------|-------------------------------------|
| 51970U | GeniSys A/C Ready Circuit Board |
| 51771U | Solid State Ignitor |
| PF20322U | Clean Cut Pump (A2EA-6527) (21844U) |



51970U

Beckett

Burner Motors

Beckett

| Part # | Description | Replacement For |
|--------|--------------------------|-------------------|
| 21805U | Beckett AFG Burner Motor | GE 4779 & MAR0100 |

Burner Heads

Beckett

| Part # | Description |
|----------------|---------------------------|
| FO through F22 | All Standard Burner Heads |

Electrode Kits

Beckett

| Part # | For Use With |
|--------|---|
| 5780 | AFG, AF, AR, SF & F - Up to 9" Tube |
| 5782 | AFG, AF, AR, SF & F - Larger than 9" Tube |

Air Tube Combinations

Beckett

| Description |
|--|
| Tube Through 9" For Models A, AF, S, SR |
| Tube Through 16" For Models A, AF, S, SR |

Need to replace an entire Oil Burner Assembly?

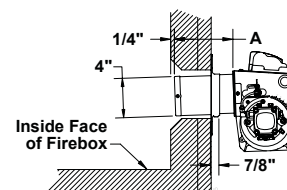
How to Build

Order the following:

- 1. Model B2007 (AFG Burner)
- 2. Air Tube (in appropriate length)
- 3. Nozzle
- 4. Burner Head
- 5. Mounting Flange



To Determine Air Tube Length



| FIRING RATE MIN-MAX GPH | BURNER HEAD | USABLE AIR TUBE LENGTH "A" | | | | | | | | | | |
|-------------------------------|----------------|----------------------------|----|--------|--------|----|--------|--------|----|---------|---------|---------|
| | | 4-1/2" | 5" | 5-3/8" | 6-5/8" | 7" | 7-1/4" | 9" | 9" | 10-1/2" | 13" | 16" |
| Less Head | Less | AF44 | - | AF53 | AF65 | - | AF72 | AF90 | - | AF104 | AF130 | AF160 |
| 0.40 - 0.75 | F0 | AF44XR | - | AF53XR | AF65XR | - | AF72XR | AF90XR | - | AF104XR | AF130XR | AF160XR |
| 0.75 - 1.25 | F3 | AF44XN | - | AF53XN | AF65XN | - | AF72XN | AF90XN | - | AF104XN | AF130XN | AF160XN |
| 0.85 - 1.65 | F6 | AF44YB | - | AF53YB | AF65YB | - | AF72YB | AF90YB | - | AF104YB | AF130YB | AF160YB |
| 1.10 - 2.00 | F12 | AF44XO | - | AF53XO | AF65XO | - | AF72XO | AF90XO | - | AF104XO | AF130XO | AF160XO |
| 1.65 - 2.50 | F22 | AF44XP | - | AF53XP | AF65XP | - | AF72XP | AF90XP | - | AF104XP | AF130XP | AF160XP |
| 2.50 - 3.00 | F31 | AF44XS | - | AF53XS | AF65XS | - | AF72XS | AF90XS | - | AF104XS | AF130XS | AF160XS |

Fuel Oil Pumps



| Part # | RPM | Rotation | Nozzle Port Location | Stages | Strainer & Nozzle Rating @ 100 PSI |
|-----------------------------------|--|----------|----------------------|--------|------------------------------------|
| A1YA-7912 | 1725 | RH | RH | 1 | 7 GPH |
| A2VA-3006 | 3450 | RH | RH | 1 | 3 GPH |
| A2VA-7116 | 3450 | RH | RH | 1 | 3 GPH |
| B1VA-8212 | 1725 | RH | RH | 2 | 3 GPH |
| Booster Pump (H6PC Series) | | | | | |
| J6PC-C1000G | Single Stage Oil Pump LH-LH, RPM 1725/3450, GPH 17/53, Six PSI Options (10 - 300) | | | | |


A2VA-7116

Waste Oil Pumps

| Part # | RPM | Rotation | Nozzle Port Location | Stages |
|-------------|-------------|----------|----------------------|--------|
| A2RA-7736 | 1725 / 3450 | RH | RH | 1 |
| A2RA-7710 | 3450 | RH | RH | 1 |
| J4NB-A1000G | 1725 | RH | LH | 1 |


A2VA-3006

Single Stage Model A Replacements For Model J

| Model J | 1725 RPM Replacement | 3450 RPM Replacement |
|--------------|----------------------|----------------------|
| (JA)B2BB-100 | — | A2TB-7151 |
| (JA)B2BB-300 | — | A2TB-7151 |
| JJ2BB-300 | — | A2VB-7117 |
| J2BA-100 | A1YA-7912 | A2TA-7150 |
| J2BB-100 | A1VB-7113 | A2TB-7151 |
| J2BB-300 | A1VB-7113 | A2TB-7151 |
| J2BCF-412 | A1VC-7114 | A2GD-7943 |
| J3BA-100 | A1YA-7912 | A2TA-7150 |
| J3BB-100 | A1YB-7913 | A2TB-7151 |
| J3BB-200 | A1YB-7913 | A2TB-7151 |
| J3BC-100 | A1TD-7149 | A2GD-7943 |
| J3BC-200 | A1TD-7149 | A2GD-7943 |
| J3BC-408 | A1TD-7149 | A2GD-7943 |
| J4PB-100 | A1YB-7913 | A2TB-7151 |
| J4PB-100 | A1TB-7147 | A2GB-7941 |
| J4PD-100 | A1TD-7149 | A2GD-7943 |

Pump Couplings



| Part # | Description |
|--------|--|
| KK100 | Crown Fuel Universal Oil Pump Coupling Kit |


KK100

Fuel Oil Tank Gauges

| Part # | Description | Fits |
|---------|-----------------------------------|-----------|
| 1401422 | Scully EG-215 Arm Type Tank Gauge | 1.5" & 2" |
| 577M | MITCO - String Type Tank Gauge | 2" |

Electrodes and Porcelains



| Complete Assembly | | Porcelain Only |
|-------------------|-------------|----------------|
| NUMBER | | NUMBER |
| 01040 | (101-4) | 11040 |
| 01041 | (101-4 1/4) | 11041 |
| 01042 | (101-4 1/2) | 11042 |
| 01050 | (101-5) | 11050 |
| 01060 | (101-6) | 11060 |
| 02040 | (102-4) | 12040 |
| 02042 | (102-4 1/2) | 12042 |
| 02050 | (102-5) | 12050 |
| 02060 | (102-6) | 12060 |
| 04040 | (104-4) | 14040 |
| 04042 | (104-4 1/2) | 14042 |
| 04050 | (104-5) | 14050 |
| 04060 | (104-6) | 14060 |
| 05040 | (105-4) | 15040 |
| 05050 | (105-5) | 15050 |
| 05060 | (105-6) | 15060 |
| 06042 | (106-4 1/2) | 16042 |
| 06050 | (106-5) | 16050 |
| 06060 | (106-6) | 16060 |



Specialty Oil - Items / Kits / Accessories

| Part # | Description |
|----------|---|
| 20405-02 | Beckett Electrodes (Pair) |
| 28038-02 | Wayne Blue Angel Electrodes (Pair) |
| 40445 | Electrode Setting Gauge (CSG 297) for Setting Oil Burner Electrodes |
| 40417 | Soot Kutter |
| 40320 | 12" Buss Bars |
| 41660 | 25' Roll Silicone High Temp Cable |
| 41650 | 25' Roll GT015 Ignition Cable |
| 40454 | Oil Line - 3/16" x 12" |
| 40458 | Oil Line - 1/4" x 12" |

| Part # | Description |
|-------------|--|
| 40277 | Mechanics Ignition Kit |
| 40279 | Serviceman's Ignition Kit |
| 31156 | Tune-Up Kit for Wayne Burners |
| 31157 | Tune -Up Kit for Blue Angel Burners |
| 58RL12 | 5/8 x 12" Gauge Glass |
| GGW58 | 5/8" Gauge Gaskets |
| 40420 | Cutting Tool For Gauge Glass |
| WES S20-16 | V-Belt For Lennox Oil Burner |
| WES T200-10 | Westwood Crimping Tool for Ignition Wire |



31156



WES T200-10



WES S20-16



40445

Snap Disc Controls



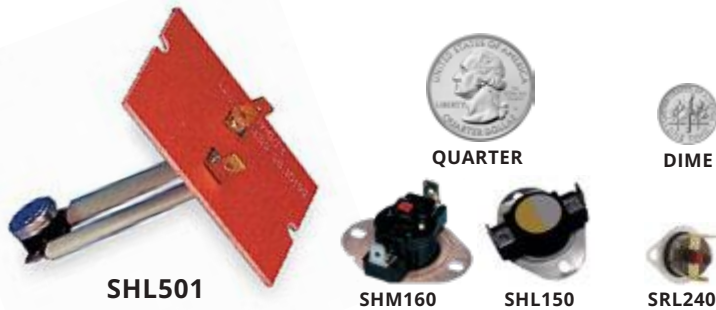
| Part # | Description | Close Temp. | Open Temp. |
|------------------------------|-------------------|-------------|------------|
| Limits - 3" Insertion | | | |
| SHL501 | Gas Furnace Limit | 130°F | 170°F |
| SHL502 | | 150°F | 180°F |
| SHL503 | | 150°F | 190°F |
| SHL504 | | 200°F | 240°F |
| SHL505 | | 100°F | 140°F |
| SHL508 | | 170°F | 190°F |
| SHL511 | | 140°F | 160°F |
| SHL514 | | 140°F | 180°F |
| SHL515 | | 160°F | 200°F |
| SHL517 | | 180°F | 220°F |
| SHL518 | | 210°F | 250°F |

| Part # | Description | Close Temp. | Open Temp. |
|--|--------------------|-------------|------------|
| Dime Sized Limits - Auto and Manual Reset | | | |
| SRL135 | Manual Reset Limit | — | 135°F |
| SRL240 | | | 240°F |
| SRL300 | | | 300°F |
| SLS140 | Auto Reset Limit | 100 °F | 140°F |
| SLS160 | | 120 °F | 160°F |
| SLS180 | | 140 °F | 180°F |

| | | | |
|--|--------------------|---|-------|
| Quarter Sized Limits - Manual Reset | | | |
| SHM160 | Manual Reset Limit | — | 160°F |
| SHM170 | | | 170°F |
| SHM180 | | | 180°F |
| SHM200 | | | 200°F |
| SHM290 | | | 290°F |

| | | | |
|------------------------------|------------------|-------|-------|
| Limits - 3" Insertion | | | |
| SHL150 | Auto Reset Limit | 150°F | 110°F |
| SHL160 | | 160°F | 120°F |
| SHL170 | | 170°F | 130°F |
| SHL180 | | 180°F | 140°F |
| SHL190 | | 190°F | 150°F |
| SHL200 | | 200°F | 160°F |
| SHL250 | | 250°F | 210°F |

SIZE COMPARISON



Adjustable Snap Disc Temperature Controls



| Part # | Application | Differential | Switch | Temp. Range |
|--------|-------------|--------------|---------------|----------------|
| AT-021 | Fan | 20°F | Close on Rise | 90°F to 130°F |
| AT-022 | | 20°F | | 140°F to 180°F |
| AT-012 | Limit | 20°F | Open on Rise | 135°F to 175°F |
| AT-013 | | 40°F | | 175°F to 215°F |
| AT-014 | | 40°F | | 210°F to 250°F |



Thermostat Fan Controls


WHITE • RODGERS
by COPELAND

| Part # | Description | Close Temp. | Open Temp. |
|----------|------------------------------------|-------------|------------|
| SHF110DC | Mobile Home Thermostat Fan Control | 110°F | 90°F |
| SHF120 | Thermostat Fan Control | 120°F | 110°F |
| SHF140 | Thermostat Fan Control | 140°F | 120°F |

| Part # | Switch | Close Temp. | Open Temp. |
|----------|---------------|-------------|------------|
| 3F11-140 | Close on Rise | 140°F | 110°F |
| 3F11-170 | | 170°F | 130°F |



Sequencers



Features

- Combined fan and heat load ratings (7.2 kW)
- Direct replacements for sequencing both fans and heat
- Self-compensating for volts and ambient conditions

Features

- Double quick-connect terminals for combination and heater loads
- High ambient rated to +165°F
- 24VAC non-positional control
- 25A resistive switching



33233



33241

| Part # | Control Volts | Switches | Timing |
|--------|---------------|----------|--------|
| 33241 | 24 | 1 | 1 |
| 33242 | 24 | 1 | 1 |
| 33244 | 24 | 1 | 1 |
| 33245 | 24 | 1 | 1 |
| 33232 | 24 | 2 | 2 |
| 33233 | 24 | 4 | 2 |

| Approximate Timing (Sec) | | | | | | | | |
|--------------------------|---------|--------|---------|---------|----------------------|---------|--------|--------|
| ----- On Time ----- | | | | | ----- Off Time ----- | | | |
| Part # | SW1 | SW2 | SW3 | SW4 | SW1 | SW2 | SW3 | SW4 |
| 33241 | 1 - 24 | — | — | — | 45 - 75 | — | — | — |
| 33242 | 30 - 75 | — | — | — | 1 - 40 | — | — | — |
| 33244 | 1 - 24 | — | — | — | 45 - 75 | — | — | — |
| 33245 | 30 - 75 | — | — | — | 1 - 40 | — | — | — |
| 33232 | 1 - 24 | 1 - 24 | 30 - 70 | — | 45 - 75 | 45 - 75 | 1 - 40 | — |
| 33233 | 1 - 24 | 1 - 24 | 30 - 70 | 30 - 70 | 45 - 75 | 45 - 75 | 1 - 40 | 1 - 40 |

Replacement Heater Coil Element Kits



Features

- Welded terminal bolts for low resistance and long life
- Close wound coil, stretch to fit many applications

Features

- Complete with bushings, insulators, and hardware

| Type | Wattage | | | Stretched Length | |
|-------|---------|------|------|------------------|---------|
| | 240V | 208V | 480V | Min. | Max. |
| 34601 | 5000 | — | — | 44.62" | 127.48" |
| 34602 | 5000 | 3750 | — | 44.62" | 127.48" |
| 34652 | 6600 | 4950 | — | 70.56" | 201.59" |
| 34608 | 3500 | 2625 | — | 50.75" | 145.00" |
| 34610 | — | — | 3500 | 42.27" | 120.76" |



34601

Electric Heat
MARS SERIES **346**

Fuse Links



Features

- One time use

Features

- Detects heat caused by over current

| Part # | Temp. Limit (°F) | Base |
|-----------|------------------|--------|
| 34708 | 300°F | Round |
| 34710 | 227°F | Oblong |
| 34712 | 300°F | |
| 109616-01 | 464°F | |



34708



34712

Electric Heat Kit Parts



| Part # | Description |
|-------------|---|
| 2PL-140 | 2 Pole Limit Switch - 140°F |
| 2PL-165 | 2 Pole Limit Switch - 165°F |
| SL075B | Fusible Link 300, 20.8A |
| T9AP1D52-24 | Relay, 1 Pole, 30 Amp, 22 VDC Coil |
| CRR918 | AC to DC Rectifier - Use with T9AP1D 18 second time delay |
| CRR99 | AC to DC Rectifier - Use with T9AP1D 18 second time delay |



2PL-165



SL075B



T9AP1D52-24



CRR918

Common OEM Heating Parts

| Part # | Description |
|-------------|---|
| BNR1077 | Trane Burner - Also Used In American Std |
| 46K18 | Lennox Burner - Found in Lennox & Armstrong |
| 60105 | Mr. Heater Unit Heater Circuit Board |
| 11J28R06881 | Beacon-Morris / Sterling Ignition Control Board |



BNR1077



46K18



60105



We have many of the OEM parts you need in stock!!

Makeup Air Parts

| Part # | Description |
|---------|---|
| 1190850 | "Brute" Pilot Assembly for CaptiveAire and Rupp Make up Air |
| CA-390 | Flame Rod / Replaces FRS-2-6 |
| CA-434 | Flame Rod / Replaces FRS-4-6 / 22427 |
| CA-435 | Flame Rod / Replaces FRS-4-7.5 / GP 18117 |



1190850

K-Kontrols NEMA 4 Greenhouse Thermostat

NEW!



| Part # | Description |
|-----------|--|
| KJ16110-A | Weather-proof Temperature Controller, 30 - 100°F 120 - 208 - 240V (16.0 - 9.2 - 8.0 Amp rating) |



Unique Water Heater Parts

| Part # | Description |
|-----------|---|
| 100109295 | Water Heater Pilot Assembly Replacement Part Natural Gas Compatible with Reliance, A.O. Smith, Lochinvar and State |
| SP20172 | Flammable Vapor Sensor Kit for Rheem / Ruud/Richmond/Vanguard/GE & more! |



100109295



SP20172

Unique Problem Solvers

| Part # | Description |
|-------------|--|
| IO-TWIN | Twinning kit allows one thermostat control multiple pieces of equipment |
| IO-LL | Lead Lag Controller |
| COMMONMAKER | FastStat Common Maker - Turn a two wire into a 3 wire with common! |



IO-TWIN



COMMONMAKER



Barometric Draft Controls

| Part # | Label # | Description |
|---------|---------|---|
| 2722701 | 6RC | 6" Draft Regulator for Wood, Oil, or Coal |
| 2723101 | 7RC | 7" Draft Regulator for Wood, Oil, or Coal |
| 1845401 | 8RC | 8" Draft Regulator for Wood, Oil, or Coal |

Up to 12"
in stock!



6RC



Air Boosters

| Part # | Label # | Duct Shape | CFM | Volts | RPM | Max. Temp. |
|----------|---------|-------------------------------|-----|-------|------|------------|
| 46012102 | AB-1 | Square, Rectangular, or Round | 305 | 120 | 1725 | 180°F |
| 46119402 | AB-6 | 6" Round Pipe | 225 | 120 | 3000 | 180°F |
| 46120002 | AB-8 | 8" Round Pipe | 425 | 120 | 3000 | 160°F |



AB-6



Vent Dampers - Oil Applications

| Part # | Label # | Description |
|----------|---------|---|
| 46561706 | OVD-6PL | 6" Automatic Oil Vent Damper w/ Blocked Vent Switch |
| 46561707 | OVD-7PL | 7" Automatic Oil Vent Damper w/ Blocked Vent Switch |
| 46561708 | OVD-8PL | 8" Automatic Oil Vent Damper w/ Blocked Vent Switch |



OVD-6PL



Automatic Vent Dampers - Gas

Features

- Allows natural draft during appliance operation
- Prevents heat and conditioned air from escaping during off cycles
- Stops cold air during down drafts

Features

- Dual safety switches allow the burner to fire only when damper is in the open position
- Keyed wiring harness plug installs only one way to prevent wiring issues



GVD-4PL



| Part # | Label # | Description | Pipe Size | Height | Length | Clearance |
|----------|----------|--|-----------|---------|---------|-----------|
| 46486901 | GVD-4PL | Vent Damper (Does Not Include Harness) | 4" | 6-1/16" | 8-7/8" | 15/16" |
| 46487001 | GVD-5PL | | 5" | 9-7/8" | 6-1/16" | 15/16" |
| 46487101 | GVD-6PL | | 6" | 10-7/8" | 6-1/2" | 1-3/16" |
| 46487201 | GVD-7PL | | 7" | 11-7/8" | 7-1/16" | 1-7/16" |
| 46487301 | GVD-8PL | | 8" | 8-1/16" | 12-7/8" | 1-15/16" |
| 46487501 | GVD-10PL | | 10" | 14-7/8" | 12-1/8" | 4" |
| 46579100 | GVD-UWK | Universal Wiring Harness w/ 5 OEM Adapters | — | — | 8' | — |

Field offers Draft Inducers capable of up to 20" & 2,800,000 BTU!

Make-up Air System

| Part # | Label # | Description |
|----------|---------|--|
| 46231900 | MAS-1 | 6" Intake Hood - Barometric Make-Up Air Damper |



MAS-1



Draft Inducers

When to Use a Draft Inducer

- Long horizontal vent runs
- Undersized vent pipes
- Short chimneys
- Outside exposed chimney

How Draft Inducers Work

- Thermostat calls for heat.
- Control Kit (A) energizes Draft Inducer (B).
- Draft Inducer forces air flow in chimney, creating negative pressure in burner chamber.
- Once negative pressure (draft) is established, the Control Kit allows the burner (C) to start.
- When the thermostat is satisfied, the Control Kit shuts down the burner and the Draft Inducer.


DI-3

| Part # | Label # | Description | Pipe Length | BTU | Volts |
|----------|---------|---|-------------|---------------|-------|
| 46073000 | DI-1 | Field Draft Inducer *(Requires CK Kit) | 3" - 6" | Up to 120,000 | 115 |
| 46075300 | DI-2 | | 5" - 8" | Up to 353,000 | 115 |
| 46090700 | DI-3 | | 8" - 12" | Up to 835,000 | 115 |

Field offers Draft Inducers capable of up to 20" & 2,800,000 BTU!

Side Wall Power Venters

Features

- Combines the motor, blower, and vent hood in one complete, easy to install unit

Features

- 100% negative pressure in the vent pipe
- Eliminates need to seal vent pipe joints, saving time and money.


SWG-3

| Part # | Label # | Description | Size | BTU | Volts |
|----------|---------|--|------|---------|-------|
| 46130002 | SWG-3 | Motor, Blower, and Vent Hood *(requires CK Kit) | 3" | 70,000 | 115 |
| 46275400 | SWG-4HD | | 4" | 170,000 | 115 |
| 46230000 | SWG-5 | | 5" | 290,000 | 115 |

Field offers Side Wall Power Venters capable of up to 740,000 BTU!

*CK System Control Kits

Designed for use with the SWG Series Power Venters for controlling 30-millivolt controlled Natural or LP Gas appliances with a pressure tap port in the Gas Valve. This kit may also be used with the PVG series sidewall Power Venters, DI series Draft Inducers, and CAS-4 Combustion Air System. The included junction box is not required when using a PVG or CAS-4.


CK-20F

| Part # | Label # | Description | Includes |
|----------|---------|-----------------------|---|
| 46282620 | CK-20F | Millivolt Control Kit | Gas Pressure Switch, Secondary Safety Switch, Fixed Post Purge |
| 46282641 | CK-41F | 24V Control Kit | Draft Proving Switch, Secondary Safety Switch, Fixed Post Purge |

Combustion Air Systems

When to Use the CAS

- Too tight construction
- Provide source of fresh air for combustion

When to Use the CAS

- For multiple Appliances or when direct connection is not possible


CAS-4

| Part # | Label # | Description | Application | BTU |
|----------|---------|---------------|--|---------------|
| 46266302 | CAS-4 | Fan in a Can | 24V Gas Appliance | Up to 450,000 |
| 46266305 | CAS-6 | Fan in a Drum | Dual Volts for Oil or Gas Applications | Up to 900,000 |

Kaowool Board - Rated up to 2,300°F

Features

- Used to repair or build combustion chambers or fireboxes in oil, gas or wood fired boilers and furnaces
- Can be drilled or machined

Features

- Can be easily cut with a knife or hacksaw
- Also commonly used to make target walls, front plates, floor insulation, and more



1022



| Part # | Description | Dimensions |
|--------|--|------------------|
| 1022 | Vacuum Cast Ceramic Fiber Refractory Board (2 Pieces Per Carton, Available as Each) | 15" x 24" x 3/4" |
| 10255 | | 36" x 18" x 1/2" |

Kaowool Rope - Rated up to 1,000°F

Features

- Used on oil, gas and wood fired boiler, furnaces, stoves, kilns, evaporators and forges as a gasket material

Features

- Often used to seal doors and access points
- Easy to cut with a knife



9400



| Part # | Description | Diameter | Length |
|--------|------------------------------|----------|--------|
| 9404 | High Temperature Rope Gasket | 1/4" | 25' |
| 9400 | | 3/8" | |
| 9401 | | 1/2" | |
| 9405 | | 3/4" | |

Refractory Cement - Rated up to 2,000°F

Features

- High-heat cement for masonry joints
- Pre-mixed, easy to trowel, and fiber reinforced

Features

- Can be used to set, bond, and repair cracked or broken firebricks in stoves, fireplaces, and furnaces



5602



| Part # | Description | Application | Size |
|--------|-----------------------------|---------------------------|-------|
| 5601 | High-Heat WaterGlass Cement | Attaches Kaowool to Metal | 32 oz |
| 5602 | | | 4 oz |

Gasket Strip - Rated up to 2,200°F

Features

- Used on oil, gas and wood fired boiler, furnaces, stoves, kilns, evaporators and forges as a gasket material

Features

- Often used to seal doors and access points
- Easy to cut with a knife



9506



| Part # | Description | Dimensions |
|--------|-------------------------|------------------|
| 9506 | Strip Superwool Blanket | 1/2" x 1" x 300" |
| 9505 | | 1/4" x 1" x 240" |

OEM Replacement Combustion Chambers

LYNN
 MANUFACTURING, INC.

| Part # | Description | Kit Contains |
|--------|---------------------------------------|--|
| 1066 | Burnham V-7 Series w/o Swing Out Door | Rear target wall Insulation wet pack 8202701, burner mounting plate insulation 82027022, floor blanket (cut to size depending on number of sections, replaces 82027023, 82022033, 82027031, 82022043 + others), copeseal, waterglass, and instructions |
| 1064 | Burnham V-1 Series | Target wall insulation wet pack 8202211 or 8202701, burner mounting plate insulation 8202210, floor blanket (cut to size, replaces 82022033 & 82022043), clay sealant, waterglass and instruction |



RHI Advantage

We have replacement info for almost ALL boilers. Burnham, Slant Fin, Utica, Villant, Vaillant, Weil, McClain, and more. When you need a replacement combustion chamber - give us a call!



1064

Furnace Cement - Rated up to 3,000°F

| Part # | Description | Size |
|--------|--------------------------|------------|
| 35-504 | High-Heat Furnace Cement | Pint |
| 35-515 | | 1/2 Gallon |
| 35-610 | | Gallon |



35-515

HERCULES

Service You Can Count On



With over 40 years of experience and a reputation built on trusted expertise, we're here to deliver **more than just parts.**

Nordyne Parts and Accessories

NORDYNE
HEAT PUMP CONTROL

| Part # | Dimensions (L x W) |
|----------|---|
| 1003441 | Inducer Motor Assembly |
| 1010775R | Pressure Switch -.20 WC, SPST |
| 1017743S | Hot Surface Ignitor |
| 1021575R | Control Board, MG1E Series, For Units Mfg Before 9/22, See 1041648R For Newer Units, Tan in Color |
| 626518R | Auto Limit Switch, 110 to 160F |
| 632444R | Pressure Switch, -1.74 WC |
| 632484R | Flame Sensor |
| 660812R | Inshot Burner |
| 661128R | Inshot Burner |
| 661134 | Burner |
| 903106 | Control Board G3/G4/G5/G6/L1RA |
| 903110B | Hot Surface Ignitor |
| 903600 | Flame Sensor and Wiring Harness |
| 904081 | Gas Valve, 24V, 1/2" FPT, NG w/LP Kit |
| 920915 | Circuit Control Board |
| 920916 | G7T Control Board |



1003441



904081



1010775R



660812R



1021575R



1017743S



903600



920916



903110B



626518R



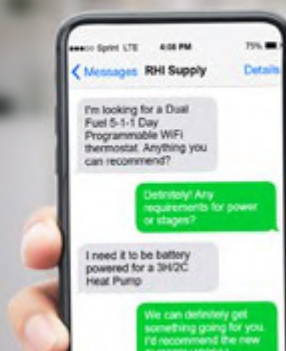
632444R



903600

NEED HELP? TEXT US!

Have a quick question? Need to identify a part? Want to know the status of your order? Text **OR** send a picture to your local RHI's phone number for **quick solutions on the go.**



RHI Supply

T10+ 3H/2C HP with Dual Fuel

resideo

Can Control 1 Source of IAQ

| Part # | Description |
|---------------|---|
| THX321WF3003 | T10+ Smart Thermostat (Dual Fuel Compatible) |
| THX321WFS3001 | T10+ Smart Thermostat with RedLINK Room Sensor (Dual Fuel Compatible) |
| C7189R3002-2 | RedLINK 3.0 Wireless Room Sensor (2-Pack) |



When will Resideo make a thermostat that...

- Has WiFi and RedLINK together?
- Can actually solve hot/cold spots?
- Can change where it senses temperature?
- Has room priority?
- Can easily change room priority?
- Has innovative and useful accessories?
- Has temperature alarms per room

The Answer Is Now!



Wish it had an EIM? Turn the page!



The T10+ uses the Resideo app. It uses 2.4 GHz or 5.0 GHz WiFi signals



Big, Bright, Easy To Read. Screen changes color during a Heat or Cool call. Example, in cooling mode the numbers are blue on a white background. When the AC is calling the numbers are white with a blue background.

Yes, this thermostat is calling for cooling and it's 65 in the house



Up to 20 wireless temperature, humidity, and occupancy sensors used with one thermostat.

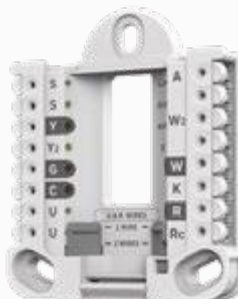
These sensors use RedLINK to communicate, so you know they have a great range and are very reliable.



Pick your room priority based on time of day or current demand.

Want the nursery and master bedroom to sense temp at night, living room and kitchen during the day?

No problem!



T10+ uses the Universal Wall Plate. That makes upgrading and existing T1, T4, T6, or WiFi T6 very simple.

Save time and money!



All New T10+ Pro Kits

Now with EIM capabilities!

The T10 has proven to be the new standard of residential comfort. With up to 20 room sensors per thermostat, you can control the temperature where you most want to. Now, with EIM, you can also control IAQ devices to serve specific spaces within the home.

TECH TIP

T10s are available with a "digital" private label. Resideo will preload your company info into the thermostat!

resideo

| Part # | Description | Stages | Duel Fuel | IAQ Control | Outdoor Temperature Lockouts |
|---------------|--|--------------------------------------|-----------|--|--|
| YTHM1004R3000 | T10+ Thermostat, EIM, Wireless Indoor Sensor, Return and Discharge Air Sensors | 3H/2C Heat Pump + 2H/2C Conventional | Yes | Humidifier, dehumidifier, and ventilator control | Internet, wired sensor, wireless sensor |
| YTHM1004R3001 | T10+ Thermostat, EIM, Wireless Indoor & Outdoor Sensor, Return & Discharge Sensors | 2H/2C Heat Pump + 2H/2C Conventional | Yes | Humidifier, dehumidifier, and ventilator control | Internet, wired sensor, wireless sensor (included) |



The T10+ uses the Resideo app. It uses 2.4 GHz or 5.0 GHz WiFi signals

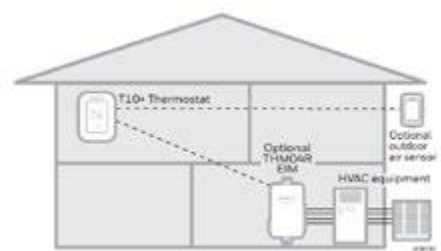


The original T10 can use the C7189U3002, but no other T10+ accessories.

T10+ Accessories

resideo

| Part # | Description |
|------------|--|
| THM04R3000 | RedLINK 3.0 EIM, for use with T10+ (Not compatible w/ T10) |
| C7189U3002 | 2 Pack of RedLINK 3.0 Wireless Indoor Sensors |
| C7089R3013 | RedLINK 3.0 Wireless Outdoor Sensor |
| AC112-01 | Wired Floor/Slab Sensor |



T10+ Pro Smart Thermostat product features

- Can control humidification, dehumidification and ventilation, allowing you to customize a solution for each customer
- Bases room prioritization off time-based scheduling, motion detection or geofencing — giving customers ultimate flexibility for optimal control
- Offers a multi-room display right on the thermostat, so homeowners can see each room's current temperature and change their comfort settings as needed
- Smart lockouts (such as ventilation lockout) can be activated on high- or low-temperature days or when the outdoor dewpoint is high
- Can be used with a floor/slab sensor to control the ambient air temperature or floor temperature or both

RedLINK® 3.0 Room Sensor product features

- Senses temperature, humidity and motion
- Features a 200-ft. range from thermostat to sensor, which is greater than the advertised range of other sensors
- Up to 20 sensors can be connected per thermostat



Temperature, especially in bedrooms, is one of the biggest homeowner complaints when it comes to indoor comfort. When asked about the ability to prioritize certain rooms over others, consumers in a Resideo survey overwhelmingly agreed it was a must-have feature.

“I would love for comfort to follow me. It would be great to have that level of personalization.”

Simplicity that fits your business to a T.



Advanced connectivity and reliability

- Connects directly to the home's WiFi network, enabling control through the Resideo app (no RedLINK® Internet Gateway required)
- Communicates with RedLINK® Room Sensors via RedLINK® 3.0 wireless technology, helping ensure a strong, uninterrupted connection between devices



Smart features and functionality

- Works with Resideo smart partners like Amazon Alexa, Apple HomeKit and Google Assistant
- Geofencing can use the homeowner's smartphone location to automatically switch to an energy-saving setpoint



Simple installation and setup

- Solutions with RedLINK® Technology can help you solve your customers' home comfort challenges wirelessly
- The UWP mounting system and common wiring interface help simplify and standardize the install process
- On-thermostat configuration, sensor pairing and WiFi connection process help streamline setup

resideo

Premier Design

Meets Exceptional Sales Potential

The Prestige® IAQ still offers the robust RedLINK capabilities you trust to deliver a total solution — in a smaller, sleeker profile for design-conscious residential and light commercial end users



YTHX9421R5101WW

| Part # | Kit Includes |
|-----------------|---|
| YTHX9421R5085WW | Prestige® IAQ Thermostat, Interface Module, 2 Duct Sensors |
| YTHX9421R5101WW | Prestige® IAQ Thermostat, EIM, Sensors, Wireless Outdoor Sensor |
| YTHX9421R5127WW | Prestige® IAQ Thermostat, EIM, Sensors, and Internet Gateway |

Need Internet?

The YTHX9421R5127WW has the "RIG" in the box! Not sure what the "RIG" is? See [Page 53](#) to learn more!

Accessories

resideo

| Part # | Description |
|---------------|---|
| THP2400A1027W | Cover Plate for Prestige in White |
| C7189U1005 | Wired 1.5" x 2.25" Indoor Remote Sensor |
| C7089U1006 | Wired Outdoor Sensor |
| C7772A1012 | Wired 20K 2" x 4" Flush Mount Sensor |
| TR21 | Wired 20K 2"x4" Indoor Sensor |
| TR21-A | Wired 10K 2"x4" Indoor Sensor |
| C7735A1000 | Wired 10K Duct Mounted Sensor |
| C7041C2003 | Wired 20K Duct Mounted Sensor (18") |
| C7770A1006 | Wired 20K Duct Mounted Sensor |
| WSK-24 | Wireless Occupancy/Setback Sensor |
| WHLDT1000 | Dry Contact Water Sensor w/ Rope Sensor |



TR21



C7189U1005



WSK-24



C7772A1012



C7089U1006



WHLDT1000



C7770A1006



C7735A1000



THP2400A1027W

Check out all the RedLINK Wireless Accessories on [Page 53](#)



TH8321R1001

VisionPRO 8000

Wired or Wireless

One Thermostat, Endless Possibilities

The VisionPro is the most flexible thermostat that Resideo makes. Fully wired, 2 wire, or wireless. Can even be set up to be commercial with Occupied and Unoccupied periods and Commercial Algorithms. It can handle anything!

resideo

| Part # | Description |
|--------------|--|
| TH8110R1008 | VisionPRO® 8000 RedLINK® Programmable Touch Screen Thermostat 1H/1C Conventional or 1H/1C HP |
| TH8320R1003 | VisionPRO® 8000 RedLINK® Programmable Touch Screen Thermostat 2H/2C Conventional or 3H/2C HP |
| TH8321R1001 | Same as above, also controls 1 IAQ product |
| YTH8321R1002 | Kit Contains TH8321R1001 & THM6000R7001 (Internet) |



RHI Pro Tip

Control dual fuel when paired with an outdoor sensor. (5 F - 60 F Lockout)
(The TH8110R1008 can also do dual fuel when paired with the YTHM5421R1010)

RedLINK™ ERM

resideo

| Model # | Description | Includes |
|----------------|---|--|
| YERM5220RVPEIM | RedLINK™ ERM Kit | TH8321R1001, THM5421R1021, and ERM |
| YERM5220R8321 | RedLINK™ ERM Kit and VisionPRO Thermostat | TH8321R1001 and ERM5220R1018 |
| ERM5220R1018 | RedLINK™ ERM | ERM Only (must be used with date code 1542 or newer) |



ERM5220R1018

Short Wires? Upgrading to HP? Attic Air Handler w/ Boiler?

The ERM solves these problems AND allows you to keep the wall and lose the wire.

- Cut installation time
- Avoid unforeseen wiring issues
- Increase profits by selling multi-stage equipment or Heat Pumps



Accessories

resideo

| Part # | Description |
|--------------|-----------------------------------|
| THP2400A1019 | Cover Plate for New TH8000 Series |
| C7189U1005 | Wired Indoor Remote Sensor |
| C7089U1006 | Wired Outdoor Sensor |
| THP9045A1098 | Add-A-Wire Saver Module* |

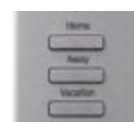
*Wire Saver module connects to thermostats with a "K" terminal.
Turn a 4 wire into a 5, or a 5 into a 2 stage heat!!



WiFi and RedLINK™ Connected Thermostat and Accessories

resideo

| Part # | Description |
|--------------------------------------|---|
| Equipment Interface Module | |
| YTHM5421R1010 | The "EIM" connects a RedLINK thermostat to the equipment either wireless or 2 wire. This kit also includes (2) 10K Ohm sensors for supply and return duct. <i>Allows TH8110R1008 to act as multi-stage (see Page 52 for TH8110R1008).</i> |
| Internet Gateway | |
| THM6000R7001 | We call it the "RIG". Enables the owner to control RedLINK thermostats remotely as well as receive emails or texts from their building/system when an account is setup online. Up to 4 Stats or 4 Wireless Adapters per RIG. |
| Wireless Adapter | |
| THM4000R1000 | This allows the thermostat to talk to a RedLINK Zone Panel without an EIM, you may connect up to 4 thermostats per adapter. It may also be used as a range extender for an EIM. |
| Wireless Outdoor Sensor | |
| C7089R1013 | Displays outdoor temp and humidity, locks out heat pumps, resets humidifier for window freeze protection, or locks out HRVs based on outdoor dew point. Connects to UNLIMITED thermostats. |
| Wireless Indoor Sensor | |
| C7189R1004 | Controls temperature and humidity. When using multiple sensors you are able to choose which sensor controls hum and which controls dehumidifier. Connect up to 6 per thermostat. |
| Portable Comfort Control | |
| REM5000R1001 | A remote for your thermostat! Use it for remote sensing in single zone applications. Can be connected up to 16 separate thermostats. |
| Wireless Vent Booster | |
| HVC20A1000 | 20/40/60 minute timer to close vent contacts (HRVs, Kitchen, or bathrooms) on an EIM. 1 EIM can handle up to 6 boosters. |
| Wireless Entry / Exit Control | |
| REM1000R1013 | Mount next to your door for Home/Away/Vacation mode. Connect up to 3 controls per single thermostat or control up to 16 stats with 1 control |



WiFi Thermostats

resideo

Features

- Connects to home's existing WiFi network (no separate device needed)
- 7-Day programmable or non-programmable

Features

- Controlled remotely through app
- Precise temperature control
- Tool-free wiring, manual-free install and setup

| Model # | Description |
|--------------|---|
| TH9320WF5003 | Prestige WiFi - 3H / 2C (Not compatible with dual fuel or IAQ) |
| TH8321WF1001 | VisionPro WiFi - 3H / 2C, Dual Fuel, 1 IAQ Product - Best Value!! |



TH9320WF5003



TH8321WF1001

The "TCC Stats" use the Total Connect Comfort app but can be added to the Resideo app



T6 Pro WiFi Thermostats

resideo

Features

- Program a schedule or use location-based control with geofencing technology

Features

- Uses smartphone location to save energy when away from home and make the home more comfortable

| Model # | Description |
|--------------|--|
| TH6320WF2003 | T6 3H / 2C, Dual Fuel, Ventilation, Outdoor or Indoor sensor |
| TH6220WF2006 | T6 2H / 2C, Indoor Sensor option |



TH6320WF2003

T6 Pro WiFi uses the Resideo app



"The screen is locked and I don't know the code!"

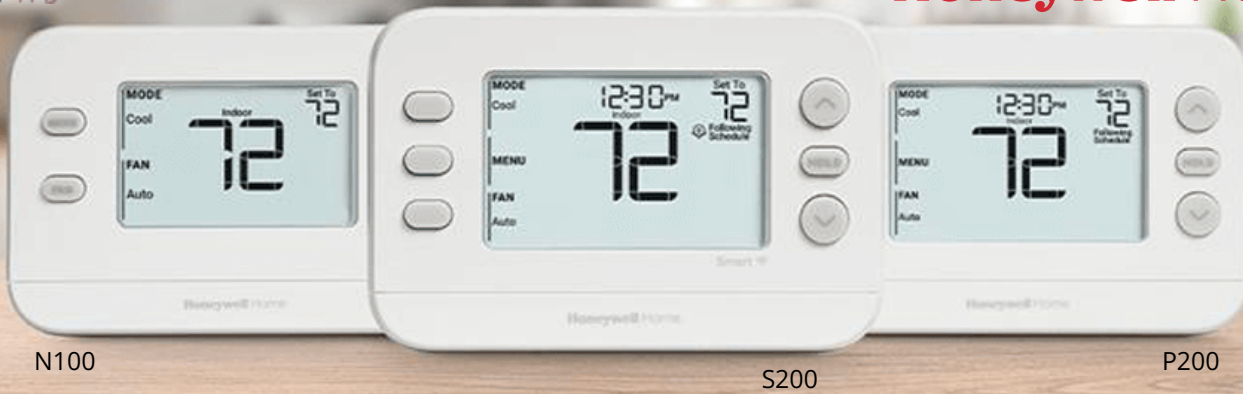
This is one of our most common questions on Resideo thermostats. Many of their thermostats have a version of a 'screen lock'. There are only 3 different codes Resideo uses to unlock:

1. The Date Code - example '1937'
2. The Numbers "1234"
3. The Sum of the Date Code & '1234'

An Example of #3:

$$\begin{array}{r} 1937 \\ + 1234 \\ \hline 3171 \end{array}$$





FocusPRO® Thermostat Series NEW

Non-Programmable, Programmable, and Smart Solutions

Broad System Compatibility

A series optimized for function and application. It includes dual fuel options, features an extended setpoint beginning at 32°F (0°C), and is wired outdoor sensor compatible to minimize the number of products to stock, carry, and train on.

Easy Installation

The UWP® wall plate and the Resideo Pro app support a speedy installation and service process. This means less time on-site for pros.

Private Label Program

Customize product with your company contact info. The interchangeable, snap-on accent piece simplifies the private label process, so you can focus on supporting customers while improving retention and recurring business.

[See Other Side For More Info](#)

| MODEL NUMBER | Description | POWER + CONNECTIVITY | DISPLAY SIZE | STAGES | DUAL FUEL | RHI Stocks | SCHEDULING |
|----------------|------------------|---|-----------------------|--------------------------------------|-----------|------------|--|
| TH1110U4000/U | Non-Programmable | Hardwire or Battery | 4.09 in. ² | 1H/1C | No | ✓ | Non-Programmable |
| TH1320U4002/U | Non-Programmable | Hardwire or Battery | 4.09 in. ² | 3H/2C Heat Pump + 2H/2C Conventional | Yes | — | Non-Programmable |
| TH2110U4004/U | Programmable | Hardwire or Battery | 4.84 in. ² | 1H/1C | No | ✓ | 5-1-1 Day, 5-2 Day, 7 Day, 1 Week Programmable |
| TH2320U4006/U | Programmable | Hardwire or Battery | 4.84 in. ² | 3H/2C Heat Pump + 2H/2C Conventional | Yes | ✓ | 5-1-1 Day, 5-2 Day, 7 Day, 1 Week Programmable |
| TH2110WF4008/U | WiFi | Hardwire, C-Wire Required WiFi, 2.4 or 5 GHz | 4.84 in. ² | 1H/1C | No | ✓ | 5-1-1 Day, 5-2 Day, 7 Day, 1 Week Programmable |
| TH2320WF4010/U | WiFi | Hardwire, C-Wire Required WiFi, 2.4 or 5 GHz | 4.84 in. ² | 3H/2C Heat Pump + 2H/2C Conventional | Yes | ✓ | 5-1-1 Day, 5-2 Day, 7 Day, 1 Week Programmable |



**TURN EVERY
THERMOSTAT
INTO YOUR
BUSINESS CARD**

It's Easy!

1 Select Your Product



2 Customize Face Plate



3 Enter Shipping Info



4 Review & Submit



Transform your HVAC business with the Honeywell Home FocusPRO® thermostat private label program. Customize the faceplate with your business information in 4 simple steps to keep your customers coming back.

and best of all, it's

FREE

Details:

- 120 Accent Pieces At A Time
- Free For All Contractors
- Free Shipping
- Lead Time ~2-4 Weeks

Visit <https://www.resideo.com/us/en/pro/private-label-program/order/> or Scan the QR Code to Begin Today!



WANT US TO DO IT FOR YOU? GIVE US A CALL!



WiFi Water Leak Detectors with Shut Off Valve

NEW!

resideo

Features

- Shuts off the water supply automatically after water detection via paired sensing cable or one or more paired Resideo WiFi Water Leak and Freeze Detectors
- Controlled remotely via the Resideo App

Features

- Manual override to turn water on or off
- Standard ball valve makes for easy install
- Includes 5' cable for water detection
- 5-year limited warranty

| Part # | Model | Connection Size | Valve Type |
|--------------|-------|-----------------|------------|
| VWS02Y-1/2 | L5 | 1/2" NPT | Ball |
| VWS02Y-3/4 | | 3/4" NPT | |
| VWS02Y-1 | | 1" NPT | |
| VWS02Y-1-1/4 | | 1-1/4" NPT | |



VWS02Y-1/2

WiFi Leak Detectors and Temp Monitor

resideo

Features

- Receive leaks alerts via the Resideo app
- Alerts to leaks with LED lights and a 100 decibel alarm
- 2-year limited warranty

Features

- Includes 5' cable for water detection
- Pairs with the L5 WiFi Water Leak Shut off Valve
- Uses 2x AA Batteries

| Part # | Description | Model | Pack Size |
|---------------|-----------------------------------|-------|-----------|
| CHW3610W8001 | WiFi Water Leak & Freeze Detector | L1 | 1-pack |
| YCHW3000W3003 | | | 3-pack |



CHW3610W8001

WiFi Doorbell

resideo

Features

- Receive alerts via the First Alert app
- 16 VAC - 24 VAC

Features

- Intelligent detection distinguishes between people, vehicles, packages, and animals and only delivers the notifications that matter most to you

| Part # | Description | Model |
|----------|---------------|-------|
| CAMW-WDB | WiFi Doorbell | VX1 |



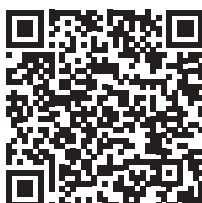
CAMW-WDB

WiFi Cameras

resideo

Features

- Receive alerts via the First Alert app
- Works hand in hand with Doorbell and other Resideo products to be released soon!



Scan to explore Resideo's security cameras and smart home solutions



| Part # | Description | Model |
|----------|---|-------|
| CAMW-WI | Indoor Camera - 12V (120V adapter included) | VX3 |
| CAMWE-WO | Outdoor Camera- POE or 12 Volts | VX5 |



CAMW-WI



CAMWE-WO

The Round® Mercury-Free Thermostats


resideo

Features

- Mercury-free electronic switch
- Manual changeover

Specifications

- Electrical rating: 20 - 30VAC

T87N1000

| Part # | Description | System Application | Temperature Range | Terminal Designation |
|---------------------------------|---|--------------------|-------------------|----------------------|
| T87K1007 | Mercury-Free Manual Changeover Replacement Thermostat | Heat Only | 40°F to 90°F | R, W, Y |
| T87N1000 | Mercury-Free Manual Changeover Replacement Thermostat | Heat / Cool | 40°F to 90°F | R, Rc, W, Y, G, O, B |
| 'Easy-To-See' Thermostat | | | | |
| T87K1026 | Mercury-Free Manual Changeover Replacement Thermostat with Enlarged scale and raised numbers for easy viewing and setting | Heat / Cool | 40°F to 90°F | R, Rc, W, Y, G, O, B |

Mercury-Free Thermostats

resideo

| Part # | Description | Mount | System Application | Temperature Range |
|-----------|---|----------------|----------------------------------|-------------------|
| T822K1018 | Mercury Free Thermostat | 2 x 4 Vertical | Heat Only | 50°F to 90°F |
| T822K1042 | Mercury Free Thermostat (Garage Thermostat) | | Heat Only | 35°F to 85°F |
| T827K1009 | Mercury Free Thermostat | | Heat Only (mV & DC) | 50°F to 90°F |
| T834N1002 | Mercury Free Thermostat | | Heat / Off / Cool (Auto / On) | 45°F to 95°F |
| T812A1010 | Mercury Free Thermostat 24V - Positive Off | Square | Heat Only | 45°F to 90°F |
| T822A1007 | Mercury Free Thermostat 750mV - Positive Off | | Heat Only | 45°F to 90°F |


T812A1010

T822K1018

Digital Line Volts Thermostats

resideo

Features

- Provides volts control of electric heating equipment
- Soundproofed relays for quiet operation

Features

- Includes backlit display and positive off switch
- 15-minute heating cycles

| Part # | Description | Switch Action | Temp. Range | Electrical Rating |
|-------------|--------------------------------------|---------------|---------------|-------------------|
| TL7235A1003 | Non-Programmable | DPST | 40°F to 86°F | 15A @ 208 - 240V |
| TL8230A1003 | Programmable | | | |
| TL8100A1008 | Multi-Application 7 Day Programmable | SPDT | 32°F to 122°F | 5A @ 120V / 240V |


TL7235A1003

TL8100A1008

Line Volt Thermostats

Features

- Single-pole double throw switch for versatile application

Features

- Compatible with vertical or horizontal mounting


T631F1068
Honeywell

| Part # | Description | Switch Action | Electrical Rating | Temperature |
|-----------|---------------------------|---------------|-------------------|---------------|
| T651A3018 | Medium Duty - Heat / Cool | SPDT | 9.8A @ 120V | 44°F to 86°F |
| T631A1006 | Farm-O-Stat | | 7.4A @ 120V | 35°F to 100°F |
| T631F1068 | Farm-O-Stat - NEMA 4X | | 7.4A @ 120V | 35°F to 100°F |

NEMA 4X: Provides a degree of protection from falling dirt, rain, sleet, snow, windblown dust, splashing water and hose directed water.

Peco Line Volt NEMA 4 Thermostat

NEW!
PECO CONTROL SYSTEMS

Features

- One control for heating and cooling
- Large, visible dial for easy control

Features

- Tolerates moist conditions and environments

| Part # | Description | Switch Action | Temp. Range | Diff. |
|-----------|-------------------------------|---------------|---------------|-------|
| TF115-001 | Volts Rated NEMA 4 Thermostat | SPDT | 40°F to 110°F | 3°F |


TF115-001

Electric Baseboard Thermostats

Features

- Provides Reliable Volts control resistive rated electric heating equipment

Features

- Snap-action switch makes heating circuit on temperature fall


T410A1013
resideo

| Part # | Description | Temp. Range | Amps | Switch Action | Color |
|-----------|---|--------------|------|---------------|---------------|
| T410A1013 | Electric thermostat without Positive Off | 40°F to 80°F | 22 | SPST | Premier White |
| T410B1004 | Electric thermostat with Positive Off | | | DPST | White |

Thermostat Guards

Features

- Double-wall construction for improved security
- Mounts vertically or horizontally

Includes

- Opaque plastic wall-plate, ring base, guard cover, tumbler lock, and two (2) keys


TG510A1001
resideo

| Part # | Color | Material | Inner Height | Inner Width | Inner Depth |
|------------|-----------|----------|--------------|-------------|-------------|
| TG510A1001 | Clear | Plastic | 4-7/16" | 4-7/16" | 2-1/4" |
| TG511A1000 | | | 5-1/16" | 6-1/16" | 2-5/8" |
| TG512A1009 | | | 5-7/8" | 8-3/8" | 3" |
| TG511A1004 | Off-White | Metal | 5-1/16" | 6-1/16" | 2-5/8" |

RHI Supply and Resideo - maximize your savings!

The **Resideo Pro PERKS** Loyalty Program is designed to help you grow your business. The program and its tools will reward you with benefits to better support your customers. Also, not all Resideo Distributors participate in the program. If you are buying your Resideo from someone else, you may not be getting credit. RHI Supply can help you earn extra savings.

How does it work?

1. Purchase your Resideo products from RHI Supply
2. We will submit your purchases to Resideo on a monthly basis
3. You keep track of your points on the ProPerks website using your login.
(We suggest checking your points and redeeming product certificates every 6 months.)
4. Send the certificate you created to RHI Supply.
5. We will monitor your RHI account and redeem your certificate for you.
6. We credit your account for the value of the certificate!



Private Label Thermostats Without an Extra Charge!!

It's never been easier to put your personal stamp on the HVAC device that your customer interacts with the most. Keep your name and number in front of your customer at all times. Ask your RHI salesperson how you can get setup today to order your thermostats customized at no extra charge!

Fine Print that is easy to deal with:

Must Order Thermostats in Quantities of 12
Drop Shipped with no shipping charge
Please allow 3-4 weeks delivery
Grow your ProPerks as fast as possible!



Custom
To You

Programmable 7 Day, 5-2, 5-1, or Non-Programmable Thermostats

resideo

Features

- Large, clear backlit digital display

Specification

- Power Method: Battery or Hard-wired

| Part # | Description | Stages Heat/cool | System Applications |
|-------------|---|---|---|
| TH6320U2008 | T6 Pro WiFi Thermostat Dual Fuel Optional Indoor or Outdoor Sensors | 3H-2C Heat Pump with Electric 2H-2C Conventional | 24 Vac systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems |
| TH6220U2000 | T6 Pro Programmable Thermostat Soft Buttons Indoor Sensor Option | 2H-1C Heat Pump 2H-2C Conventional | Standard Efficient Gas Forced Air, High Efficiency Gas Forced Air, Oil Forced Air, Electric Forced Air, Hot water Fan Coil, Geothermal Heat Pump, Air to Air Heat Pump, Hot Water Radiant Heat, Steam |
| TH6210U2001 | T6 Pro Programmable Thermostat Soft Buttons Large Screen | 2H-1C Heat Pump 1H-1C Conventional | Standard Efficient Gas Forced Air, High Efficiency Gas Forced Air, Oil Forced Air, Electric Forced Air, Hot water Fan Coil, Geothermal Heat Pump, Air to Air Heat |
| TH4110U2005 | T4 Pro Programmable Thermostat | 1H-1C Heat Pump 1H-1C Conventional | Standard Efficient Gas Forced Air, High Efficiency Gas Forced Air, Oil Forced Air, Electric Forced Air, Hot water Fan Coil, Geothermal Heat Pump, Air to Air Heat |

GET IT BEFORE IT'S GONE!

Accessories

| Part # | Description |
|--------------|---------------------------------|
| THP2400A1050 | White cover plate for T6 models |
| C7189U1005 | Wired indoor remote sensor |
| C7189U1006 | Wired outdoor sensor |



C7189U1005



C7189U1006



RHI Pro Tip

When setup as a HP - do not wire "W1".
Use "Aux" instead.



NON-CONNECTED SOLUTIONS
that simplify selection, installation and upsell.



UWP
mounting
system

Programmable Hydronic Floor Thermostat

resideo

Features

- Includes 10K floor sensor
- UWP Mounting System
- Hot water and steam, up to 1H only

Features

- Only Requires 2 wires
- 5-Year warranty

| Part # | System Application | Model |
|--------------|---------------------------------------|-------|
| TH6100AF2004 | Hot Water Heat Only With Floor Sensor | T6 |



TH6100AF2004

Non-Programmable Thermostats

GET IT BEFORE IT'S GONE!

resideo

Features

- Uses the UWP mounting system that's standard across all T Series thermostats

Features

- OTH1110E1000 features easy-to-read green backlit display

| Part # | Stages Heat/Cool | Model |
|-------------|-------------------------------|-------|
| TH3210U2004 | 1H-1C HP / 1H-1C Conventional | T3 |
| TH3110U2008 | 1H-1C Conventional | T3 |
| TH1110E1000 | | E1 |
| TH1110U2009 | | T1 |



TH3110U2008



TH1110E1000

Get them before they gone!

Resideo will be replacing these four thermostats with the new Focus Pro thermostats found on [Page 55!](#)

SUPPORTING EVERY PART OF YOUR HVAC/R BUSINESS

RHI Supply is ready to help you with your **parts, equipment, training,** and **technical support** needs.



TrueZONE® Panels

resideo

Zoning Made Effortless

Honeywell TrueZONE® panels simplify zoning system installation with wireless RedLINK thermostats, eliminating the need for thermostat wiring. The patented digital installer setup and push terminals enable tool-free wiring. TrueZONE's standardized checkout process ensures system functionality before leaving the job site, reducing callbacks.

This system delivers efficient installation, reliable performance, and enhanced customer satisfaction.



RHI Pro Tip

When paired with a THM4000R1000, the HZ322 or the HZ432 can be wirelessly connected to **RedLINK Thermostats** or **RedLINK Wireless Outdoor Temp Sensor** for a very simple wireless zoning solution!

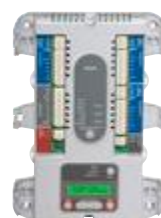


| Part # | Description |
|--------------|--|
| HZ311 | 3 Zone, 1H-/2C Panel - Used for Conventional Equipment |
| HZ322 | 3 Zone, 2H/2C - Used for Conventional or Heat Pump Equipment |
| HZ432 | 4 Zone, 3H/2C Panel - Used for Conventional, Heat Pump, or Dual Fuel Systems |
| TAZ-4H | Add-A-Panel - Adds 4 zones to an HZ432. Control up to 32 zones. |
| THM4000R1000 | Wireless Zoning Adapter - Used to make TrueZone Panels RedLINK enabled |
| C7735A1000 | Zone Max Sensor - Acts as a high or low limit to protect unit and avoid freeze ups |
| C7089U1006 | Outside Air Sensor - Used with the HZ432 to lockout a Heat Pump |

(Pictured Without Covers)



HZ311



HZ322



HZ432

TrueZONE® Bypass Dampers

Features

- Direct replacement for many legacy dampers
- Adjustable range stops for consistent bleed settings

Features

- Open / close lights and position indicator for diagnostics
- Push terminals and easy wiring to TrueZONE® panels

| Part # | Description | CFM | Diameter |
|--------|-------------------------------|--------|----------|
| CPRD8 | Static Pressure Bypass Damper | 600 | 8" |
| CPRD10 | | 1,000 | 10" |
| CPRD12 | | 1,4000 | 12" |
| CPRD14 | | 1,700 | 14" |



What do I need to know when I call for a Zoning Quote?

Use the following charts to determine which rectangle and round dampers we stock

- Conventional or HP?
- Type of Thermostats?
- Number of Zones?
- Number of Stages?
- Damper Sizes?

HEIGHT

| WIDTH | ZD | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|---|----|---|----|----|----|----|----|----|----|----|
| | 8 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 10 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 12 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 14 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 16 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 18 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 20 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ |
| | 22 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | — | — |
| | 24 | ✓ | ✓ | ✓ | — | ✓ | — | ✓ | — | ✓ |
| | 26 | ✓ | — | ✓ | ✓ | — | — | — | — | — |
| | 28 | ✓ | ✓ | ✓ | ✓ | — | — | — | — | — |
| | 30 | ✓ | ✓ | — | — | ✓ | — | ✓ | ✓ | ✓ |
| | 32 | — | — | — | — | — | — | — | — | — |
| | 34 | — | — | — | — | — | — | — | — | — |
| | 36 | — | — | — | — | — | — | — | — | — |
| Hint: The 2nd Dimension has the actuator. Example: "ZD20x8" has the actuator on the 8" side | | | | | | | | | | |
| ARD | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| ROUND | — | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



Standard round dampers can be converted to Spring Close, they are shipped Spring Open



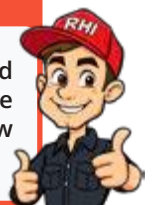
M847D-ZONE



M847D-VENT

RHI Pro Tip

Resideo's new style damper actuator has been around for several years now. It has been great! You can use two wires or three - your choice. It has a small window to indicate damper position.



Replacement Actuators

resideo

| Part # | Description | Volts |
|------------|------------------------------------|-------|
| M847D-ZONE | New Style Normally Open Actuator | 24 |
| M847D-VENT | New Style Normally Closed Actuator | 24 |

The most effective way to sell your customer zoning?

OFFER IT!

The Ultimate Universal Controller

The T775 family is the most universal set of controllers on the market. Single or multiple relays, mod outputs, temp, humidity, pressure, CO2. It does it all!



P7640A1000



C7232B1006



T775-SENS-WR



T775-SENS-OAT

| Part # | Relay Outputs | Reset Option | Analogue Outputs | Floating Outputs | Sensor Inputs |
|-------------|---------------|---|------------------|------------------|---------------|
| T775A2009 | 1-SPDT | — | — | — | 1 |
| T775B2032 | 2-SPDT | | | 1 | 2 |
| T775B2040 | 4-SPDT | | | 2 | |
| T775M2006 | — | | 2 | — | |
| T775M2030 | 4-SPDT | | | | |
| T775M2048 | 2-SPDT | | | | |
| T775R2043 | — | | | | |
| T775R2027 | 2-SPDT | ✓ | — | 3 | |
| T775P2003** | 4-SPDT | | | | |
| T775L2007 | 4-SPDT | | | | |
| T775S2008 | 4-SPDT | 4 - Stages 'Adder' for 'P' & 'L' Models | | | |
| T775U2006 | 2-SPDT | — | 1 or 2 | — | 2 |
| T775U2016 | 2-SPDT | | 2 | | |

Sensors

| Part # | Description |
|---------------|--|
| C7130B1009 | Room Sensor - Wall Mount |
| C7046D1008 | Duct Probe w/ Mounting Flange (8" Long) |
| C7031D2003 | Immersion Sensor (5" Long) |
| T775-SENS-OAT | Outdoor Air Sensor |
| T775-SENS-WR | Water Resistant Sensor with 5 Foot Leads |
| H7655A1001 | Humidity Sensor (Wall or Duct Mount) for the T775U |
| P7660P0500D | Differential Pressure Transducer |
| C7233A1008 | CO2 Wall Sensor - (0-10 VDC) |

**T775P is a special boiler model: expand to 12 Stages w/ Reset, Warm Weather Shut Down, Pump Pre/Post Purge, Pump Exercising & Equal Run Time.

JADE™ Economizer

Honeywell

Let Nature do the Work

JADE economizers make saving energy easier for your customers. For buildings with rooftop unit applications, JADE is the best solution for a fresh air ventilation system.

Features

- LCD interface for simplified operation and lower installation cost
- On-screen commissioning to reduce labor and verify installation
- Modular design for scalable functionality and cost-effective upgrades
- Simplified wiring
- Integrated fault detection and diagnostics
- Built-in multi-stage exhaust fan control

| Part # | Description | Use With |
|--------------|--|---|
| W7220A1000 | JADE™ Economizer Control Module | Honeywell Series 72 Actuators |
| C7400S1000 | Outdoor Enthalpy Sensor Sylk Bus (Or Return Air - set with dip switches) | W7220 |
| C7250A1001 | Mixed Air Sensor Doing Dry Bulb? Buy 2 - 1x for MAT & 1x for OAT | W7220 |
| 50053060-001 | Duct Mount Kit for Sensor | C7400A200X, C7600A200X, C7400S and C7600S sensors |



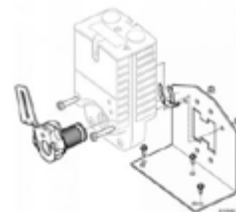
RHI Pro Tip

The JADE is being used by most OEMs today. It uses any 2-10 VDC actuator (most popular today) and is **the easiest economizer you have ever used!**



Foot Mounting Kits

| Part # | Description |
|--------------|---|
| 50001194-001 | DCA - Adapter for using a Direct Coupled Actuator |
| STRN-CRK-01 | DCA - Adapter for Honeywell 44in lbs and less |



Honeywell

DCA W/ STRN-CRK-01

Damper Motor Options

| Part # | Description | Torque |
|-------------|--------------------------------------|------------------|
| MS7503A2030 | Spring Return Direct Couple Actuator | 27 lb-in. |
| MS7505A2030 | | 44 lb-in. (5 Nm) |

Replacing an old Honeywell black cube actuator?

Use these Direct Coupled Actuators with a **STRN-CRK-01**



MS7503A2030

Carbon Dioxide CO2 Sensors

| Part # | Description |
|------------|---|
| C7233A1008 | CO2 Wall Mounted Sensor w/ Display |
| C7232B1006 | CO2 Duct Mounted Sensor w/ Display |



C7233A1008



C7232B1006

Belimo Direct Coupled Actuators



| Model # | Volts | Open Close | Modulating 2-10 VDC | Aux. Switch | Torque |
|------------|--------|------------|------------------------|-------------|-----------|
| AFB24-S | 24 | ✓ | — | ✓ | 180 in-lb |
| AFB24-SR | | — | ✓ | — | |
| AFB24UP | 24-240 | ✓ | — | ✓ | |
| AFB24UP-S | | | | — | 90 in-lb |
| NFB24 | 24 | — | ✓ | — | |
| NFB24-S | | | | ✓ | |
| NFB24-SR | | | | — | |
| NFB24-SR-S | | | | ✓ | |
| NFBUP-S | 24-240 | | | | |
| LF120 | 120 | ✓ | — | — | 35 in-lb |
| LF120-S | | | | ✓ | |
| LF24 | 24 | — | ✓ | — | |
| LF24-3 | | | | ✓ | |
| LF24-S | | | | — | |
| LF24-SR | | | | — | |
| TFB24 | | | | — | 22 in-lb |
| TFB24-SR | | | | | |



Gas Monitor



OPERA INC. IS NOW
BELIMO SENSORS INC.



APPLICATIONS

Parking garages, bus and rail terminals, automobile dealerships, hospital ambulance bays, loading docks, vapors from soil contamination, arenas/stadiums, refrigerant gas leaks, on-demand air for meeting rooms, and warehousing.



User friendly
set up and
commissioning,
non-proprietary



Stand-alone
operation plus
integration
with BMS



Reduced cabling
with daisy-chain
network



Field replaceable
calibrated sensor
modules



Simplified field
calibration
procedure



Rugged
construction
for harsh
commercial use

Quick Delivery Options, Direct Shipments, Quantity Discounts!



LIFE SAFETY SOLUTIONS

- ▶ Access Doors
- ▶ Addressable Controllers
- ▶ Ceiling Radiation Dampers
- ▶ Combination Fire and Smoke Dampers
- ▶ Corridor Dampers
- ▶ Fire Dampers
- ▶ Smoke Dampers



Ruskin® manufactures an extensive line of UL-rated and listed dampers to protect your life and property.

COMMERCIAL CONTROL, MANUAL, AND BACKDRAFT DAMPERS

- ▶ Backdraft and Pressure Relief Dampers
- ▶ Commercial Control Dampers
- ▶ Insulating Control Dampers
- ▶ Balancing Dampers
- ▶ Concentric and Specialty Diffusers



Ruskin® provides the perfect control damper for all purposes, from light operations to heavy-duty industrial applications, and from backdraft control to indoor air quality (IAQ) modulation.

LOUVER AND ARCHITECTURAL SOLUTIONS

- ▶ Acoustical Louvers
- ▶ Adjustable Louvers
- ▶ Air Measuring Louvers
- ▶ Combination Louvers
- ▶ Extreme Performance Louvers and Grilles
- ▶ Glazing Louvers
- ▶ Hurricane and Wind-Driven Rain Louvers
- ▶ Penthouse Louvers
- ▶ Screens and Grilles
- ▶ Sightproof Louvers
- ▶ Specialty Shape Louvers
- ▶ Stationary Louvers
- ▶ Sun Control Sunshades
- ▶ Industrial Fiberglass Louvers



Ruskin® creates louvers that provide fresh air intake and exhaust. Our louvers also add to the architectural style of multiple building designs.

INDUSTRIAL-PROCESS CONTROL SOLUTIONS

- ▶ Backdraft and Pressure Relief Dampers
- ▶ Blast Suppression Dampers
- ▶ Bubble-Tight Isolation Dampers
- ▶ Control and Isolation Dampers
- ▶ Fiberglass Dampers
- ▶ Tunnel Fire/Ventilation Dampers
- ▶ Industrial Diffusers



Ruskin® is the industry leader in manufacturing quality, heavy-duty control dampers for industrial applications.

Fire and Smoke Direct Coupled Actuators

Designed to meet both UL-555 and UL555S (350°F) safety requirements for both fire and smoke applications. Fast-acting actuators close dampers in 15 sec, and the integral spring return ensures the consistent, proper level of torque.

Honeywell



| Part # | Torque | Volts | Auxiliary Switches |
|-------------|-------------------|-------|--------------------|
| MS4104F1010 | 30 lb-in (3.4 Nm) | 120 | 0 |
| MS4104F1210 | 30 lb-in (3.4 Nm) | 120 | 2 |
| MS8104F1010 | 30 lb-in (3.4 Nm) | 24 | 0 |
| MS4109F1010 | 80 lb-in (9 Nm) | 120 | 0 |
| MS4109F1210 | 80 lb-in (9 Nm) | 120 | 2 |
| MS4120F1204 | 175 lb-in (20 Nm) | 120 | 2 |

Fire and Smoke Cross Reference

| Torque | Model Number | Volts | SPST Aux Switch | Legacy Honeywell | | Belimo Cross | Siemens Cross |
|-------------------|--------------|---------|-----------------|--|--|--------------|---------------|
| 30 lb-in (3.4 Nm) | MS4104F1010 | 120 Vac | 0 | ML4115A1009 ML4115A1017 ML4115B1008 ML4115B1016 | ML4115H1002 ML4115J1009 ML4202F1000 ML4302F1008 | FSLF120 US | None |
| | MS4104F1210 | 120 Vac | 2 | None | | FSLF120-S US | None |
| | MS4604F1010 | 230 Vac | 0 | ML4115C1007 ML4115C1015 ML4115D1006 | ML4115D1014 ML4702F1009 ML4802F1007 | FSLF230 US | None |
| | MS4604F1210 | 230 Vac | 2 | None | | FSLF230-S US | None |
| | MS8104F1010 | 24 Vac | 0 | ML8115A1005 ML8115A1013 ML8115B1004 ML8115B1012 | ML8115H1008 ML8115J1005 ML8202F1006 ML8302F1004 | FSLF24 US | None |
| | MS8104F1210 | 24 Vac | 2 | None | | FSLF24-S US | None |
| 80 lb-in (9 Nm) | MS4109F1010 | 120 Vac | 0 | MS4209F1007 | MS4309F1005 | FSNF120 US | GND221.1U |
| | MS4109F1210 | 120 Vac | 2 | None | | FSNF120-S US | GND226.1U |
| | MS4609F1010 | 230 Vac | 0 | MS4709F1014 | MS4809F1012 | FSNF230 US | GND321.1U |
| | MS4609F1210 | 230 Vac | 2 | None | | FSNF230-S US | GND326.1U |
| | MS8109F1010 | 24 Vac | 0 | MS8209F1003 | MS8309F1001 | FSNF24 US | GND121.1U |
| | MS8109F1210 | 24 Vac | 2 | None | | FSNF24-S US | GND126.1U |
| 175 lb-in (20 Nm) | MS4120F1006 | 120 Vac | 0 | None | | FSAF120 US | GGD221.1U |
| | MS4120F1204 | | 2 | | | FSAF120-S US | None |
| | MS4620F1005 | 230 Vac | 0 | | | FSAF230 US | GGD321.1U |
| | MS4620F1203 | | 2 | | | FSAF230-S US | None |
| | MS8120F1002 | 24 Vac | 0 | | | FSAF24 US | GGD121.1U |
| | MS8120F1200 | | 2 | | | FSAF24-S US | None |

Duct Smoke Detectors

Features

- Early smoke and combustion product detection in HVAC ducts
- Suitable for commercial, industrial, and residential applications

Features

- Prevents smoke recirculation
- Enables full system shutdown upon smoke detection
- Monitors supply and return air ducts



SL-2000-P



MSR-50RK/R

| Part # | Description | Detection Range | Supply Volts |
|------------|-----------------------------------|-----------------|--------------------------------|
| SL-2000-P | Duct Mount Style Smoke Detector | 100 to 4000 PPM | 24 VAC/VDC / 115 VAC / 230 VAC |
| STN-2.5 | Sampling Tube (3' to 4' Ducts) | — | — |
| STN-5.0 | Sampling Tube (5' to 8' Ducts) | — | — |
| MSR-50RK/R | Remote Test Station - (Red w/Key) | — | — |

Vulcain Gas Monitors and Detectors

Features

- Capable of detecting toxic and combustible gases commonly found in commercial building spaces and outbuildings, including CO, NO₂, O₂, H₂, H₂S, CH₄, & C₃H₈
- Single or dual-gas detection capability (e.g. when using a remote sensor)

Features

- Compatible with BACnet, Modbus, and more for building automation integration
- Supports wired and wireless system components
- Standalone or networkable operation



E3SCO

| Part # | Description | Volts | Mounting |
|----------|--|-------|---------------------------------------|
| E3SAH | E3Point Standalone Sensor/Controller <i>(Sensor Cartridge Not Included)</i> | 120 | Wall or Duct Mount w/ 2 DPDT Switches |
| E3SA | | 24 | Wall or Duct Mount w/ 2 DPDT Switches |
| E3SCO | CO Sensor Cartridge for use with E3Point | — | Mount 5' above floor |
| E3SRMNO2 | E3Point NO ₂ (Nitrogen Oxide) Remote Sensor <i>Turns A Single Gas Controller Into A 2-Gas Controller</i> | — | Mount 2' below ceiling |

E3 Point

Toxic / Combustible Gas Monitor.

- Standalone with remote (dual gas mode)
- Network versions available
- Saves energy through Demand Control Ventilation
- Advanced sensing tech: CO, NO₂, O₂, H₂, H₂S, CH₄, C₃H₈
- Complete toxic and combustible gas detection system
- On-board alarm sounder



E3SAH

Honeywell
Analytics



E3SRMNO2



What A & B Alarm setpoints should I use for CO and NO₂?

CO: (A) - 25 ppm, (B) - 30 ppm **NO₂:** (A) - 2 ppm, (B) - 3 ppm

Honeywell

ELEGANCE AND PERFORMANCE

AS EASY TO USE AS IT IS TO INSTALL

With the TC500, businesses can have the style and intuitive control they want along with the advanced commercial features they need. The result is the ideal blend of comfort control and energy savings.

Honeywell Commercial Connected Thermostat

NEW!

| Part # | Description |
|----------|---|
| TC300 | 2H/1C Heat Pump Air/Water source and 1H/1C Conventional plus humidification/dehumidification, Remote control and monitoring via mobile user app, On/off, floating, modulating, or 6-way valves, Multi-speed or variable speed fan |
| TC500A-N | 5H/3C Heat Pump, 3H/3C Conventional and modulating heat system, Constant speed Fan, 2-speed Fan, and Variable Speed Fan, Packaged Economizer Enable Output, Multiple Dehumidification and Humidification options, Staging control, PID Tuning, CPH, OAT Lockout, DAT Lockout, Modulating Control - and much more! |



TC500A-N

CONTRACTOR BENEFITS

- Fully communicating design via WiFi, BACnet, Bluetooth, and Sylk™
- Provisions for remote sensors and building systems integration
- Multi-screen, intuitive design for simple configuration using the device or mobile app
- Quick multiple thermostat setup using saved configurations in the mobile app
- Multiple-level user types (Contractor, Advanced, Basic, and Visitor Users) for improved security and fewer callbacks
- Commercial-grade design for durability, temperature response and code compliance (ie. California Title 24)

USER BENEFITS

- Exceptional, intuitive user experience with multiple screens, color icons and radio buttons
- Premium modern appearance with high-resolution display
- Color touchscreen display with edge to edge glass
- Customizable Standby mode option for discreet appearance
- WiFi connectivity to cloud with mobile app for remote monitoring, control and scheduling
- Upgradeable to multi-site portfolio management system solution as desired
- 5-year warranty



HONEYWELL CONNECT ME

User App

- Remote control of comfort settings from anywhere, anytime
- View and modify schedule
- Critical alarm notifications
- Free and Premium subscription based versions

ECM Universal Direct Drive Variable Speed & Constant Torque Motor

NEW!



| Part # | Description | Horsepower | RPM | Efficiency | Frame Size | Rotation |
|--------|-----------------|------------|------|------------|------------|------------|
| 10856 | Universal Motor | 1/4 - 1/2 | 1075 | 85% | 48 | Reversible |
| 10857 | | 1/2 - 1 | | | | |

- ✓ **Bluetooth Control**
Free app (AZURE ECM) is available on both Apple and Google stores.
- ✓ **Intuitive**
Drop down menus and data inputs are simple and make sense.
- ✓ **Plug and Play**
Azure connects directly to OEM harnesses; additional module or adapter is not required.
- ✓ **Adjustable Torque**
The app allows optimization of airflow even if ductwork is not optimal.
- ✓ **Ultimate Truck Stock**
Save time and money. Two Azure ECMs replace A LOT of motors!
- ✓ **Replaces** 16 Pin OEM Variable Speed ECM, PWM, 2.0, 2.3, 2.5, EON®; and Evergreen® VS, Rescue® EZ16®
- ✓ **Replaces** Many* 4 Pin OEM Variable Speed ECM 3.0; and Evergreen® VS
- ✓ **Replaces** Constant Torque X13®, Endura® Pro, SelecTech®; and Evergreen® EM, Rescue® EZ13®



**Bluetooth
inside**



Azure Digi-Motors



BLOWER MOTOR, BALL BEARING, 1075 RPM, REVERSIBLE

| Part # | HP | Volts | Diameter | External Surge Protector | Auto Sizing | Replaces |
|--------|--|-------------|----------|--------------------------|-------------|-----------------|
| 10858 | 1/5 - 1/2 | 115/230 | 5 1/2" | — | ✓ | X13 |
| 10859 | 1/2 - 1 | 115/230 | 5 1/2" | — | ✓ | X13 |
| 10860 | 1/5 - 1/2 | 115/230 | 5 1/2" | ✓ | ✓ | PSC / X13 |
| 10861 | 1/2 - 1 | 115/230 | 5 1/2" | ✓ | ✓ | PSC / X13 |
| 10865 | 1/3 - 1/2 | 115/230 | 5 1/2" | — | — | PSC / VARIABLE* |
| 10866 | 3/4 - 1 | 115/230 | 5 1/2" | — | — | PSC / VARIABLE* |
| 10867 | 1/8 - 1/3 | 115/230/277 | 5" | — | — | PSC |
| 08502 | Hand held Programmer for 10860 & 10861. Adjust the RPM of each speed individually! | | | | | |

CONDENSER MOTOR, BALL BEARING, REVERSIBLE

| Part # | HP | Volts | RPM | Orientation | Auto Sizing | Rheem Holes |
|--------|-----------|---------|------------|-------------|-------------|-------------|
| 10874 | 1/8 - 1/3 | 208/230 | 825 / 1075 | Shaft Down | ✓ | ✓ |
| 10875 | 1/8 - 1/3 | 208/230 | 1075 | Horizontal | ✓ | — |
| 10872 | 1/3 - 1/2 | 208/230 | 1075 | Horizontal | ✓ | — |

RHI Pro Tip

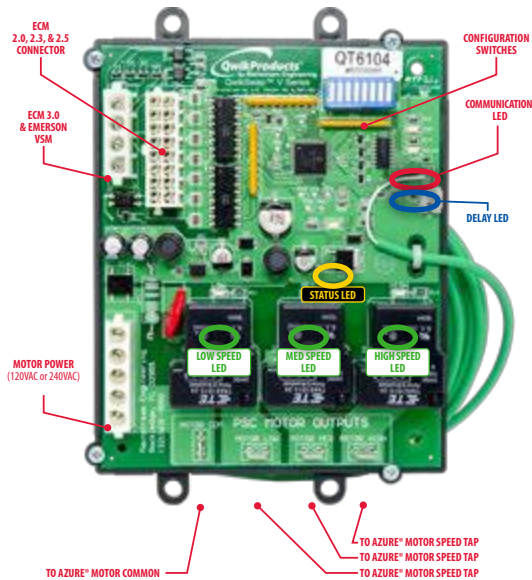
The Azure motors have been fantastic. Just a few simple options and you can replace a tremendous amount of motors!!

Azure Variable Speed Motor Adapter

NEW!


| Part # | Description |
|--------|---|
| 08506 | When you combine this board with a 10865 or 10866 Azure Motor OR a PSC Motor you can replace any OEM variable speed motor (not constant torque X13). This allows you to save time and money by avoiding costly OEM only replacements. Simply move the OEM wire harness to the Azure Variable Speed Motor Adapter and connect the Azure direct drive motor speed taps! It really is that simple. Take a closer look on the next page (74). |

Variable Speed ECM to Azure® Motor Conversion (for 2.0, 2.3, 2.5, 3.0 ECM and EMERSON VSM Motors Only)



GLOSSARY

MOTOR POWER: 5-pin connector accepts 120 VAC or 240 VAC connector from defective ECM motor.

TO AZURE® MOTOR (COMMON, LOW SPEED, MEDIUM SPEED, and HIGH SPEED): Connections to Azure® motor.

ECM 2.0, 2.3, & 2.5 CONNECTOR: 16-pin signal connector accepts connector from defective 2.0, 2.3 or 2.5 ECM motor.

ECM 3.0 & EMERSON VSM: 4-pin signal connector accepts connector from defective 3.0 ECM or Emerson VSM motor.

CONFIGURATION SWITCHES: Used to program QwikSwap®.

LOW, MED, HIGH SPEED LEDs: Solid **GREEN** LEDs indicate which Azure® motor speed tap is energized.

STATUS LED: Flashing **YELLOW** LED indicates QwikSwap® is receiving line power.

COMMUNICATION LED: Solid **RED** LED indicates successful communication with the blower motor's control board. OFF or flashing **RED** indicates a communication problem, such as a failed ECM air handler control board, faulty wiring or some other issue that will prevent the QwikSwap® from operating properly. **Do not proceed with the installation unless this problem can be resolved.**

DELAY LED: Solid **BLUE** LED indicates a delay-on-break is keeping the blower motor operating (for 1, 2 or 3 minutes) after the blower motor has been commanded to turn OFF (ECM 2.0 and 2.3 motors only).

QWIKSWAP®



No Programming Necessary



1-Year Manufacturer's Warranty



Made on the Space Coast in Florida, USA



Low-Cost Replacement

RHI Pro Tip

Here is a closer look at the **08506 QwikSwap**

It's an easy change out, get one for every truck!

Refrigeration ECM - Digi-Motors

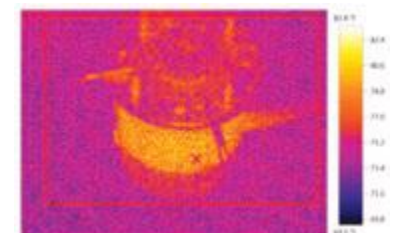
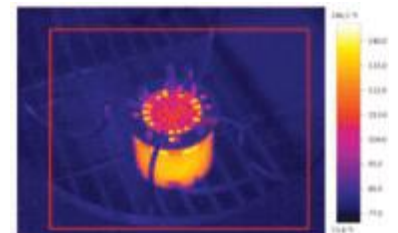
| Part # | HP | Volts | RPM | Diam. | Rotation | Speeds |
|---------|--|---------|-------|-------|------------|----------|
| 10850 | 1/15 - 1/25 | 115/230 | 1550 | 3.3" | Reversible | 1 |
| 10852 | 1/15 - 1/25 | 115/230 | 1550* | 3.3" | CCWLE* | 1 or 2** |
| 08505* | Wireless Programmer, used to adjust RPM, Rotation, and Speeds on 10852 & 10891 | | | | | |
| 08515** | Optional Thermistor Kit (2 Pack), used to create a 2 speed. Controls up to 5 motors. | | | | | |

Keep The Cooler Cool

While Azure® can save a significant amount of money due purely to electrical efficiency, contribution savings is a second component to the available energy savings of both Azure® commercial refrigeration motors.

Infrared imaging captures the heat generated by a standard shaded pole 3.3" motor for walk-in coolers. The temperature reached 146.5°F after only 5 minutes of operation. This contribution heat is significant and an unnecessary additional load on the refrigeration system that adds hidden cost to the daily operation.

Infrared imaging is challenged to capture the operating temperature of Azure® due to the lack of a significant temperature delta between the ambient air temperature and the motor temperature. Azure® reached only 81.4°F after 5 minutes of operation.



RHI Pro Tip

These Azure Refrigeration motors are fantastic to have in your truck. They can save you time and money. And we all know: **when a cooler is down - time IS money!!**



Direct Drive Fan / Blower - 48 Frame - Rev.



Features

- Rheem mounting holes
- 3 Speed, Single Phase
- Sleeve Bearing

Features

- (2) 2-1/4" & (2) 2-1/2" resilient rings
- Thermal protected, air over
- 36 in. leads

| Part # | Volts | HP | RPM | Capacitor |
|--------|-------|-----|------|-----------|
| 10583 | 115 | 1/4 | 1075 | 5 x 370 |
| 10584 | 230 | | | |
| 10585 | 115 | 1/3 | | |
| 10586 | 230 | | | |
| 10588 | 230 | 1/2 | | 10 x 370 |
| 10587 | 115 | | | |
| 10590 | 230 | 3/4 | | 15 x 370 |
| 10589 | 115 | | | |



10583

Direct Drive Blower - 48 Frame - 3 Speed



Features

- Stud extensions on popular models
- Designed for use with 370V capacitors
- Bearings have all angle thrust system

Features

- Reversible rotation
- Continuous duty, air over
- (2) 2-1/4" & (2) 2-1/2" resilient rings

| Part # | Volts | HP | RPM | Capacitor |
|--------|-------|-----|------|-----------|
| 1863 | 115 | 1/4 | 1075 | 7.5 x 370 |
| 1971 | 230 | | | |
| 1864 | 115 | 1/3 | | |
| 1972 | 230 | | | |
| 1865 | 115 | 1/2 | | 10 x 370 |
| 1973 | 230 | | | |
| 8904 | 115 | 3/4 | | 15 x 370 |
| 8905 | 230 | | | |



1863

Direct Drive Blower w/ Torsion Flex Mounts - 48 Frame



Features

- Less vibration, quieter operation
- 3 speed, single phase
- Sleeve bearing

Features

- Capacitor required: 5 MFD 370V
- Thermal protected, air over
- 36 in. leads

| Part # | Volts | HP | RPM | Capacitor |
|--------|-------|-----|------|-----------|
| 10685 | 115 | 1/3 | 1075 | 5 x 370 |
| 10687 | | 1/2 | | 10 x 370 |
| 10689 | | 3/4 | | 15 x 370 |

Easy as an OEM - priced like an aftermarket



10685

Direct Drive Blower - 48 Frame - 460 Volts



Features

- Ball bearing, single phase
- Two speed
- Capacitor required - note on motor label

Features

- 2-1/4 in. resilient rings
- Thermal overload protection
- 36 in. leads
- Reversible

| Part # | Volts | HP | RPM | Capacitor |
|--------|-------|-----------|------|-----------|
| 20538 | 460 | 1/2 | 1075 | 10 x 370 |
| 20580 | | 1/4 - 1/3 | | 7.5 x 370 |
| 20581 | | 1/2 - 3/4 | | 15 x 370 |



20538

Direct Drive Blower - 48 Frame - MASTERFIT



Features

- 5.6" diameter - 48 frame
- Permanent split capacitor
- Reversible
- Open air over
- Class B insulation, 40°C ambient
- Sleeve bearing

Features

- 1/2" diameter shaft with flat
- 36" leads with quick connect terminals
- Extended studs shaft end, resilient ring mounting, mounting holes in shell, & belly band

| Part # | Volts | HP | RPM | Speeds | Bearing Type |
|----------|-------|-----------|------|--------|----------------|
| FDL6001A | 115 | 1/6 - 1/2 | 1075 | 4 | Sleeve - w/cap |
| FDL6002A | | 1/5 - 3/4 | | | Ball - w/cap |
| FD6000A | 230 | 1/6 - 1/2 | | | Sleeve - w/cap |
| FD6001A | | 1/5 - 3/4 | | | Ball - w/cap |



FDL6001A

Trailer Home Motors - 42 Frame



Features

- 42 frame
- 60 hertz
- Open enclosure

Features

- Single phase
- Automatic overload

| Part # | Volts | HP | RPM | Speeds | Rotation | Replaces |
|--------|--------------|-----------------|------|--------|----------|------------|
| BL6412 | 115 | 1/6 | 1050 | 3 | CW | D166-Fasco |
| BL6420 | 115 | 1/6 - 1/9 | 1050 | 2 | CW | D166-Fasco |
| BL6530 | 115 - 15x370 | 1/3 - 1/4 - 1/6 | 1075 | 3 | Rev. | — |



BL6412

Shop Online — Anytime, Anywhere

RHI Supply Web Store

- Get up-to-date information on thousands of parts
- Receive Personalized Pricing
- View open orders and invoices
- Check inventory

For Access, Contact Your Local RHI Supply Today!



Belt Drive Furnace Blowers - 48 Frame - Reversible w/ Base Included

Features

- Resilient base mounted
- Single speed

Features

- 1/2" shaft diameter
- Heavy gauge steel frame and base

| Part # | Volts | HP | RPM | Replaces |
|----------|-------|-----|------|----------|
| MARS | | | | |
| 10401 | 115 | 1/4 | 1725 | B206 |
| 10406 | | 1/3 | | B207 |
| 10408 | | 1/2 | | B208 |
| Marathon | | | | |
| B206 | 115 | 1/4 | 1725 | — |
| B207 | | 1/3 | | — |
| B208 | | 1/2 | | — |



marathon
Motors



10401



B206



B206

Bigger Belt-Driven Motors

Features

- Automatic reset thermal protector prevents overheating.
- Patented MAXGuard® insulation system offers superior protection for use with a variable frequency drive.
- Permanently lubricated, double-sealed bearings extend the lifetime of the motor.

Features

- Ambient temperature up to 70°C allows for consistent operation in a range of environments and applications.
- Vertical/horizontal mounting for proper placement of the fan within airflow.

| Part # | Volts | HP | RPM | NEMA Frame | Phases |
|-----------|---------------|-----|------|------------|--------|
| RB1054AV1 | 115 / 230 | 1/2 | 1725 | 56 | 1 |
| RS1074AL | 115 / 208-230 | 3/4 | 1800 | J56 | 1 |
| RS1104AV1 | 115 / 208-230 | 1 | 1800 | K56 | 1 |
| GT0007 | 200-230 / 460 | 2 | 1800 | N145T | 3 |



RS1074AL



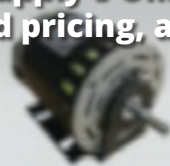
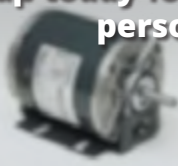
RB1054AV1



GT0007

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Sign-up today for RHI Supply's Online Web Store to receive part availability, personalized pricing, and more — *Anytime, Anywhere.*



Belt Drive Motors



Motor Mounting Kits

| Part # | Description | For Use With |
|------------|--|--------------|
| 1386 | 5" Motor Diameter 3-Lug Band (Fixed Arms) | AO Smith |
| 1479 | 5 5/8" Motor Diameter 3-Lug Band (Fixed Arms) | AO Smith |
| EAC-TFM556 | 5" or 5.5" Motor Diameter 3-Lug Band (Angled Arms) | Fasco |
| A61698K | Rheem Mounting Bracket - Direct Drive Blower Application | Packard |
| KIT-6001 | Capacitor Mounting Bracket | Fasco |
| CSX4 | Screw Mount Capacitor Holder Bracket - 4 pack | SUPCO |
| CSWM1 | Magnetic Mount Capacitor Holder Bracket | SUPCO |
| 1640A | Extended Thru-Bolt Kit (10-32 Thread / 7" Long) | AO Smith |



EAC-TFM556



1386
1479



1640A



SHAFT
BUSHINGS



A61698K



KIT-6001



CSWM1

I need to determine the direction a motor shaft spins. It just says "CCW".

Easy! There are a couple ways to find out...

1. Check the blade or wheel, which way would it need to turn to move air the proper direction?
2. Check the tag, does it have an arrow that indicates rotation?
3. Does the tag indicate Lead End or Shaft End? (CCWLE or CCWSE)
4. If all else fails: **GE and MARS** motors are Lead End. **Fasco, Regal, Century, & AO Smith** are Shaft End.



Rescue EZ13 - Constant Torque X13 Blower Drop-In



Reversible / 1075 RPM / 3 Speed / 48 Frame

| Motor | HP | Amps | Volts | Auto Sizing | Replaces | Body Length | Overall Length | Shaft |
|-------|-----------|------------|------------------|-------------|---|-------------|----------------|-------|
| 5632 | 1/3 - 1/2 | 6.3 / 4.0 | 115 or 230 | ✓ | X13 Motors in Constant Torque Applications | 6.2" | 11.3" | 5.0 |
| 5642 | 3/4 | 9.3 / 5.8 | | | | 6.6" | 11.6" | 5.0 |
| 5652 | 1 | 12.4 / 7.8 | | | | 7.0" | 12.0" | 5.0 |



RHI Pro Tip

Use the chart below to easily determine which motor to use!



RESCUE EZ13®

Universal ECM
Replacement
for Furnaces and
Air Handlers

No programming
required



RESCUE Select Pro™

Preprogrammed
with the Option of
Programming to
Match the OEM Profile

ECM Replacement
for Furnaces and Air
Handlers

Integrated Bluetooth®
Technology



RESCUE EZ16®

16-Pin Universal
ECM Replacement

Easy to use! Select
your horsepower and
adjust your airflow



RESCUE EcoTech®

Direct Drive
Blower Motor

Easy-to-use PSC
to ECM Upgrade

Wires like a PSC

Rescue EZ16 - Variable Speed Blower Replacement



Reversible / 1075 RPM / 3 Speed / 48 Frame

| Part # | HP | Amps | Volts | Replaces | Body Length | Overall Length | Shaft |
|--------|-----------|------------|------------------|-----------------------------|-------------|----------------|-------|
| 5860 | 1/3 - 1 | 12.1 / 7.1 | 115 or 230 | 2.0, 2.3, EON & Nidec 16X4W | 7.0" | 12.0" | 5.0" |
| 5862 | 1/2 - 1/3 | 6.4 / 3.8 | | | 5.7" | 10.8" | 5.0" |

EZ Interface (EZI) as easy as 1,2,3...



- 1 Select your voltage
- 2 Select your horsepower
- 3 Adjust your airflow to meet requirements

EZI

- Direct drop-in
- Connects the same as OEM
- Adjustable airflow at point of installation
- Multi-HP trim function to increase flexibility
- Remote mount for ease of access
- Universally compatible with all 2.0, 2.3, EON motors and Nidec16X4W

EZ
INTERFACE
INCLUDED!

Rescue Select Pro - Programmable OEM Replacement



Reversible / 1075 RPM / 3 Speed / 48 Frame

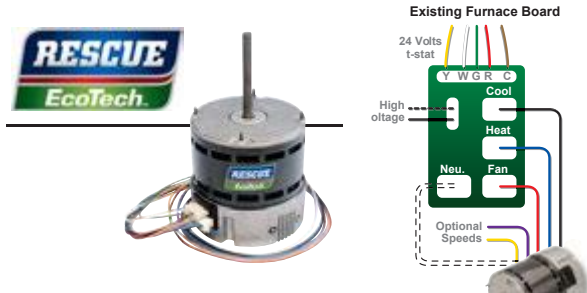
| Part # | HP | Amps | Volts | Replaces | Body Length | Overall Length | Shaft |
|--------|-----------|------------|------------------|--------------------------------------|-------------|----------------|-------|
| 6633 | 1/3 - 1/2 | 6.3 / 3.8 | 115 or 230 | Variable Speed OEM Replacement | 6.3 | 11.3 | 5.0 |
| 6643 | 3/4 | 9.3 / 5.4 | | | 6.6 | 11.6 | 5.0 |
| 6653 | 1 | 12.4 / 7.2 | | | 7.0 | 12.0 | 5.0 |

Rescue EcoTech - PSC Blower Drop-In



Reversible / 1075 RPM / 3 Speed / 48 Frame

| Part # | HP | Volts | Diam. | Auto Sizing | Replaces |
|--------|-----------|-----------|--------|-------------|------------|
| 5532ET | 1/2 - 1/4 | 115 / 230 | 5 1/2" | ✓ | PSC Motors |
| 5542ET | 1/3 - 3/4 | | | | |



- **Exclusive Speed-Sensing Technology** – allows the RESCUE ECOTECH® motor to connect just like a traditional PSC motor
- **Wide Speed Range** – Five available speeds insure contractors are able to easily meet the system's airflow needs while a low 600 RPM fan speed provides quiet, efficient air circulation.
- **Active Airflow Management** – The RESCUE ECOTECH® motor's advanced electronic control allows the motor to react to changes in the system, helping to maintain airflow as static pressures change.

| Part # | Make | FASCO Numbers | | O.E.M. Numbers | |
|--------|-----------------------------|-------------------------------------|---------------------------------------|---|------------------------------------|
| A064 | Heil-Quaker | 7021-5043 | 7021-7102 | | |
| A067 | InterCity Products | 7058-1404 | | 119255-00 | 1014338 |
| A086 | 20TH CENTURY | 7021-5853 | 7021-7104 | | |
| A088 | YORK | 7021-5478 7021-9908 | 7021-8629 7021-10267 | 2940-391 R7-RFB391 | 2940-391P 4MH20 |
| A122 | NORDYNE | 7021-11227 | | 6219490 | |
| A130 | NORDYNE | 7021-9132 7021-10159 | 7021-10171 7021-9661 | 903111 6217000 | 6212850 4MH26 |
| A134 | ICP InterCity Products | 7021-9335 7021-8735 7021-9499 | 7021-7700 7021-9477 7021-9918 | 1010324 1708607 1010975 | 1010238P R7-RFB134 4MH28 |
| A136 | RHEEM - RUDD | 7062-3861 | | 70-24033-01-13 | |
| A137 | YORK (Luxaire) | 7062-2442 7063-3342 7062-3484 | 7062-4236 7062-4417 7062-4536 | 7314249-70 3242500-7000 024-25007-000 | RFB-137 4MH45 RTU - DCG UNIT |
| A140 | GOODMAN CLARE | 7021-9087 7021-9565 7021-9087 | 7021-9915 7021-10279 7021-9000 | B2833001 B28330015 4246100 | EB-RFB140 4MH32 54-3 & 73-3 |
| A141 | ICP | 7021-8741 7021-10280 | 7021-8742 | 1094073 4MH33 | 1094074 |
| A142 | RHEEM - RUDD | 7062-1881 7062-2615 | 7062-2513 | RFB-144 | |
| A158 | AMANA | 7062-3151 | 7062-3703 | 20000101 | |
| A163 | LENNOX | 7021-9450 7021-10302 | 7021-10721 | 67K0401 FB-RFB547 | 67K0401P |
| A165 | YORK | 7062-3958 | | 024-25960-000 | 2940391P |
| A168 | YORK | 7062-5019 | | 20000101 | |
| A170 | ICP (HEIL) (Tempstar) | 7021-8918 7021-9362 7021-9564 | 7021-9936 7021-10299 7021-10702 | 1010312 1010526 1010928 | 1011097 1011409 1164280 |
| A171 | ICP InterCity Products | 7062-4201 7062-4274 | 7062-4705 7062-4783 | 1010491 1010527P | 1011410 1011412 |
| A172 | ICP - InterCity Products | 7002-2792 | 7002-2633 | 1010975P | 1013833 |
| A173 | ICP - InterCity Products | 7062-4578 | 7062-4832 | 1011350 | R7-RFB350 |
| A178 | ICP | 7021-10928 | | 1013188 | |
| A179 | ICP | 7021-8693 | | 1006168P | |
| A180 | GOODMAN | 7021-9625 | | 201-90601 (Ball Brg.) | |
| A188 | GOODMAN | 7021-10958 | | B48330000 | |
| A189 | GOODMAN | 7021-7302 | | D9868620 | |
| A196 | TRANE | 7021-9065 7021-9010 | 7021-11544 7021-1154S | X38040313027 D342094P02 | X38040313027 |
| A206 | LENNOX | 7021-8473 | | 20J8091 | |
| A209 | LENNOX | 7062-5441 | | 38M5001 | |
| A211 | LENNOX | 7021-11634 | | 81M1601 | |
| A213 | LENNOX | 7021-10376 | | 18L0401 | |
| A222 | YORK | 7021-7481 | | 026-32067-000 | 026-32067-700 |
| A225 | YORK | 7021-11577 | 7021-11577S | 17503 | 024-34558-000 |
| A241 | RHEEM-RUDD | 7021-9567 | | 70-23641-81 | |
| A281 | GOODMAN | 7021-8252 | | D6996405 | |
| A290 | GOODMAN | 7062-5015 | | 20245903 | |
| A984 | YORK | 7058-2721 | J238-150 | 341449 | 7058-1023 |
| 65404 | NORDYNE | | | 903404 | |
| 65475 | COLEMAN/EVCON | | | 373-19801-820 | 373-19801-821 |
| 66093 | LENNOX | | | 80C93 | |
| 66071 | GOODMAN | | | 071M00000 | |
| 66649 | CARRIER | | | 48GS400106 | 48GS400649 |
| 66756 | CARRIER | | | 320725-756 | |
| 66757 | CARRIER | | | 320725-757 | |
| 66758 | CARRIER | | | 320725-758 | |
| 66002 | ICP | | | 0131M00002P | 0131M00002S |
| 66529 | ICP | | | 100011645 | 10011945 |
| 66781 | RHEEM | | | 70-101087-81 | 70-24157-03 |



A064



A067



A130



A134



A136



A140



A141



A142



A158



A163



A165



A168



A170



A171



A172



A173



A178



A179



A180



A188



A189



A225



A241



A182



A984



65475



65404



66756 / 66757 / 66758



RHI Advantage

When it comes to draft inducers - we have the best selection!

We have well **over 75 different styles in stock**. Call or TEXT us with a part or model number. We will help you find an exact replacement- Quick!!

MasterFit Pro Multi-Horsepower Condenser Fan Motor



Features

- Universal capacitor included
- Offers multiple mounting options: belly band, through bolts, or shell mounts
- Direction of rotation can be reversed
- Permanent split capacitor (PSC) motor design

Features

- Includes extended bolts for versatile mounting
- **Rheem mounting holes**
- Matching capacitor included



FE600F

| Part # | Diam. | HP | Volts | RPM | Speeds | F/L Amps | Shaft Diam. | Shaft Length | Bearing Type |
|---------|--------|-----------|-------|------|--------|----------|-------------|--------------|--------------|
| FE6000F | 5-5/8" | 1/6 - 1/3 | 230 | 1075 | 2 | 2.60 | 1/2" | 6.5" | Ball |
| FE6001F | 5-5/8" | 1/6 - 1/3 | 230 | 825 | 2 | 1.90 | 1/2" | 6.5" | Ball |
| FE6003F | 5-5/8" | 1/5 - 1/2 | 230 | 825 | 2 | 2.40 | 1/2" | 6.5" | Ball |
| FE6004F | 5-5/8" | 1/4 - 1/3 | 230 | 1075 | 2 | 5.80 | 1/2" | 6.5" | Ball |

Draft Inducer Blower Motors



| Part # | Diam. | HP | Volts | RPM | Speeds | F/L Amps | Rotation | Efficiency | Bearing Type |
|--------|-------|-------|-----------|------|--------|-----------|----------|------------|--------------|
| D408 | 3.3" | 1/150 | 115 | 3000 | 1 | 0.48 | CWSE | 35% | Sleeve |
| D410 | 3.3" | 1/10 | 115 | 3000 | 1 | 1.50 | Rev. | 65% | Ball |
| D412 | 3.3" | 1/9 | 230 | 3000 | 1 | 0.70 | Rev. | 65% | Ball |
| D456 | 3.3" | 1/15 | 115 / 230 | 3000 | 1 | 2.0 / 1.0 | CWSE | 35% | Sleeve |

Unit Heater Motors



| Part # | Diam. | HP | Volts | RPM | Speeds | F/L Amps | Rotation | Electrical Type | Replaces |
|--------|-------|------|-------|------|--------|----------|----------|-----------------|----------|
| 978 | 5" | 1/20 | 115 | 1050 | 1 | 1.70 | CWSE | Shaded Pole | Sterling |
| 360 | 5" | 1/6 | 115 | 1075 | 1 | 1.70 | CWSE | PSC | Reznor |

Oil Burner Motor



| Part # | HP | Volts | RPM | Enclosure | F/L Amps | Rotation | NEMA Frame Size | Replaces | Motor Type |
|--------|-----|-------|------|---------------|----------|----------|--|-------------|-------------|
| 30600 | 1/8 | 115 | 1725 | TENV | 2.7 | Rev. | 48N | 4782 / 0600 | Split Phase |
| 30601 | 1/6 | 115 | 1725 | TENV | 2.8 | Rev. | 48N | 4784 / 0601 | Split Phase |
| 30004 | 1/4 | 115 | 3450 | Semi Enclosed | 3.8 | Rev. | 48N | 4785 / 0004 | Split Phase |
| 30100 | 1/7 | 115 | 3450 | Semi Enclosed | 2.4 | Rev. | 48M | 4779 / 0100 | Split Phase |
| 30701* | 1/7 | 115 | 3450 | Semi Enclosed | 1.5 | CCW | 48N - 7 1/4" Lug Center 48M - 6 3/4" Lug Center | 4777 / 0701 | PSC |

* Replacement for the Beckett Model # 21805U - Designed for use with mini-pumps



D408



978



30004



30600

Condenser Fan Motors



| Part # | HP | Volts | RPM | Rotation | FLA | Motor Type | Bearing Type | Capacitor Rating |
|--------|-----|-------|------|----------|-----|------------|--------------|------------------|
| 10727 | 1/6 | 230 | 1075 | Rev. | 0.9 | PSC | Sleeve | 5 / 370 |
| 10728 | 1/4 | 230 | 1075 | Rev. | 1.8 | PSC | Sleeve | 5 / 370 |
| 10729 | 1/3 | 230 | 1075 | Rev. | 2.4 | PSC | Sleeve | 7.5 / 370 |
| 10730 | 1/2 | 230 | 1075 | Rev. | 3.5 | PSC | Sleeve | 10 / 370 |
| 10731 | 3/4 | 230 | 1075 | Rev. | 5.2 | PSC | Sleeve | 10 / 370 |
| 10204 | 1/4 | 230 | 825 | Rev. | 1.6 | PSC | Ball | 5 / 370 |
| 10205 | 1/3 | 230 | 825 | Rev. | 1.9 | PSC | Ball | 7.5 / 370 |

460V Ball Bearing Condenser Fan Motors



| Part # | HP | Volts | RPM | Rotation | FLA | Motor Type | Bearing Type | Capacitor Rating |
|--------|-----|-------|------|----------|------|------------|--------------|------------------|
| 20836 | 1/4 | 460 | 1075 | Rev. | 0.65 | PSC | Ball | 7.5 / 440 |
| 20837 | 1/3 | 460 | 1075 | Rev. | 0.90 | PSC | Ball | 7.5 / 440 |
| 20838 | 1/2 | 460 | 1075 | Rev. | 1.30 | PSC | Ball | 10 / 440 |
| 20842 | 3/4 | 460 | 1075 | Rev. | 2.00 | PSC | Ball | 10 / 440 |

Condenser Fan Motors



| Part # | HP | Volts | RPM | Rotation | FLA | Motor Type | Bearing Type | Capacitor Rating |
|--------|-----|-------|------|----------|-----|------------|--------------|------------------|
| 1859 | 1/6 | 230 | 1075 | Rev. | 1.0 | PSC | Sleeve | 5 / 370 |
| 1860 | 1/4 | 230 | 1075 | Rev. | 1.4 | PSC | Sleeve | 5 / 370 |
| 1861 | 1/3 | 230 | 1075 | Rev. | 2.1 | PSC | Sleeve | 7.5 / 370 |
| 1862 | 1/2 | 230 | 1075 | Rev. | 2.8 | PSC | Sleeve | 10 / 370 |
| 1868 | 3/4 | 230 | 1075 | Rev. | 4.7 | PSC | Sleeve | 10 / 370 |

Multifit™ Multi-Horsepower Condenser Motors



| Part # | HP | Volts | RPM | Rotation | Diam. | Motor Type | Bearing Type | Capacitor Rating |
|--------|-------------------|---------|------|----------|-------|------------|--------------|------------------|
| 9722 | 1/8 - 1/10 - 1/12 | 208-230 | 1075 | Rev. | 5" | PSC | Ball | 5 / 370 |
| 9723 | 1/4 - 1/5 - 1/6 | 208-230 | 1075 | Rev. | 5" | PSC | Ball | 7.5 / 370 |
| 9724 | 1/4 - 1/5 - 1/6 | 208-230 | 1625 | Rev. | 5" | PSC | Ball | 5 / 370 |

Evergreen® ECM Outdoor Condenser Fan Motor



Only ECM Motor That Can Be Used To Replace Shaft Down And Horizontal Applications!

| Part # | HP | Volts | RPM | Rotation | Diam. | Motor Type | Bearing Type |
|--------|---------------------------|---------|------------|----------|--------|------------|--------------|
| 6303S | 1/3 (Replaces 1/3 - 1/12) | 208-230 | 825 / 1075 | Rev. | 5-5/8" | ECM | Ball |

Copeland "1 to 1" Direct Replacement



| Part # | HP | Volts | RPM | Rotation | FLA | Bearing Type | Capacitor Rating | Replaces |
|---------|-----|-------|------|----------|-----|--------------|------------------|----------------------------|
| 174A | 1/6 | 230 | 1625 | Rev. | 1.0 | Ball | 5 / 370 | 050-0103-00 050-0242-00 |
| OCP0251 | 1/6 | 230 | 1650 | CCWSE | 1.5 | Sleeve | 5 / 370 | 050-0251-00 |

Packard 11 Frame Motors



| Part # | HP | Volts | RPM | Rotation | FLA | Bearing Type | Replaces |
|--------|------|---------|------|----------|------|--------------|----------|
| 61332 | 1/20 | 208-230 | 1550 | CWLE | 1.10 | Sleeve | GE 1332 |
| 61432* | 1/30 | 208-230 | 1550 | CWLE | 0.87 | Sleeve | GE 1432 |

* Replacement for Tecumseh Model # TFM-262



61332

OEM Tecumseh Motors



| Part # | Original OEM # | HP | Volts | RPM | Rotation | FLA | Shaft Diam. |
|-------------|----------------|------|-------|------|----------|------|-------------|
| 810E037A84 | TFM372 | 1/20 | 230 | 1500 | CWOSE | 1.10 | 5/16" |
| 810E050A85 | TFM502 | 1/15 | 230 | 1500 | CWOSE | 1.40 | 5/16" |
| 810E186A82 | TFM1862 | 1/4 | 230 | 1625 | CWOSE | 1.90 | 1/2" |
| 810E186A83 | TFM1864 | 1/4 | 460 | 1625 | CWOSE | 0.95 | 1/2" |
| 810F050C20C | — | 1/15 | 230 | 1300 | CWOSE | 0.70 | — |



810F050C20C

Juggernaut - Inverter Duty Condenser Motor



| Part # | Phase | HP | Volts | RPM | Rotation | Bearing Type | Frame Size |
|--------|-------|-------|-------------|------|----------|--------------|------------|
| H1050 | 3 | 1 | 460/208-230 | 1140 | Rev. | Ball | 56H |
| H1051 | 3 | 1-1/2 | 460/208-230 | 1140 | Rev. | Ball | 56H |
| H1052 | 3 | 2 | 460/208-230 | 1140 | Rev. | Ball | 56H |
| H1053 | 3 | 1 | 460/208-230 | 850 | Rev. | Ball | 56H |



H1050

C-Frame "Skeleton" Motor Kits

| Part # | Description | Volts |
|--------|--------------------------------|-----------|
| SM670 | Universal Evaporator Fan Motor | 115 |
| SM675 | Universal Evaporator Fan Motor | 115 / 230 |



SM670

Evaporator Motor Kits

| Part # | Application | HP | Rotation | Volts |
|--------|-------------------------|------|----------|-----------|
| 90970 | Commercial | 1/50 | CW | 120 / 240 |
| 90999 | Residential - Universal | 1/50 | Rev. | 115 |



90970

Universal Evaporator Motor

Features

- Heatcraft replacement motor

Replaces

- 25308601, 2531194, 2531195, 7071061


H1050
FASCO

| Part # | Phase | HP | Volts | RPM | Rotation | Bearing Type | FLA | Efficiency | Motor Type |
|--------|-------|--------------------|---------------|------|----------|--------------|------|------------|------------|
| 9721 | 1 | 1/12 - 1/15 - 1/20 | 115/208 - 230 | 1550 | Rev. | Ball | 1.10 | 52% | PSC |

Refrigeration Evaporator Motors

FASCO

| Part # | Phase | HP | Volts | RPM | Rotation | FLA | Efficiency | Replaces | Motor Type | Bearing Type |
|--------|-------|------|---------|------|----------|-----------|------------|----------|-------------|--------------|
| D1124 | 1 | 1/20 | 115 | 1550 | CWSE | 2.10 | 35% | Bohn | Shaded Pole | Sleeve |
| D1126 | 1 | 1/15 | 230 | 1550 | CWSE | 1.10 | 35% | Bohn | Shaded Pole | Sleeve |
| D1101 | 1 | 1/20 | 115 | 1500 | CCWSE | 1.90 | 35% | Larkin | Shaded Pole | Sleeve |
| D1103 | 1 | 1/20 | 208-230 | 1500 | CCWSE | 1.15/1.35 | 35% | Larkin | Shaded Pole | Sleeve |

Motors Unit Bearing - 51 Frame

MAIS
Delivering Excellence

| Part # | Phase | Watt | Volts | RPM | Rotation | FLA | Frame Size | Motor Type | Bearing Type |
|--------|-------|------|-------|------|----------|------|------------|-------------|--------------|
| 05213 | 1 | 4 | 115 | 1550 | CW | 0.33 | 51 | Shaded Pole | Unit |
| 05311 | 1 | 6 | 115 | 1550 | CW | 0.46 | 51 | Shaded Pole | Unit |
| 05413 | 1 | 9 | 115 | 1550 | CW | 0.62 | 51 | Shaded Pole | Unit |
| 05411 | 1 | 9 | 115 | 1550 | CW | 0.62 | 51 | Shaded Pole | Unit |
| 05421 | 1 | 9 | 230 | 1550 | CW | 0.33 | 51 | Shaded Pole | Unit |

35 & 50 Watt Motors

MAIS
Delivering Excellence

| Part # | Phase | Watt | Volts | RPM | Rotation | FLA | Frame Size | Motor Type | Bearing Type | Shaft Diam. |
|--------|-------|------|-------|------|----------|------|------------|-------------|--------------|---------------|
| 00351 | 1 | 35 | 115 | 1550 | CW | 1.40 | 51 | Shaded Pole | Unit | 1/4" Threaded |
| 00353 | 1 | 35 | 230 | 1550 | CW | 0.70 | 51 | Shaded Pole | Unit | 1/4" Threaded |
| 00501 | 1 | 50 | 115 | 1550 | CW | 1.70 | 51 | Shaded Pole | Unit | 3/8" |
| 00503 | 1 | 50 | 230 | 1550 | CW | 0.85 | 51 | Shaded Pole | Unit | 3/8" |

Aluminum Housing Motors - 9w

MAIS
Delivering Excellence

| Part # | Description | Watt | Volts | RPM | Rotation | Amps | Motor Type | Bearing Type | Shaft Diam. |
|------------|-------------------------------|------|-------|------|----------|------|-------------|--------------|---------------|
| UEM1091ALT | U.E.I. Aluminum Housing Motor | 9 | 115 | 1550 | CW | 0.64 | Shaded Pole | Unit | 1/4" Threaded |

Brushless DC ECM Motors

MAIS
Delivering Excellence

| Part # | Description | Replaces |
|--------|----------------------------|-------------------------------|
| 00621 | Universal "ECM" Evap Motor | ALL 6 Watt to 12 Watt Motors |
| 00624 | Universal "ECM" Evap Motor | ALL 14 Watt to 16 Watt Motors |


00621

4-in-1 All Angle Condenser Fan Motors



Features

- All-angle mount
- Reversible
- Durable ball bearings

Features

- Mounts by belly band, adjustable extended thru-bolts, or **Rheem mounting holes**, with screws supplied

| Part # | HP | RPM | Amps | Capacitor Rating |
|-----------|-----|------|------|------------------|
| 825 RPM | | | | |
| ORM5488BF | 1/3 | 825 | 2.1 | 7.5 MFD / 370 V |
| | 1/4 | 865 | 1.4 | |
| | 1/6 | 875 | 1.2 | |
| | 1/8 | 882 | 1.1 | |
| ORM5489BF | 1/2 | 825 | 2.5 | 10 MFD / 370 V |
| | 1/3 | 850 | 1.8 | |
| | 1/4 | 865 | 1.5 | |
| | 1/5 | 875 | 1.2 | |
| 1075 RPM | | | | |
| ORM5459BF | 1/2 | 1075 | 3.6 | 10 MFD / 370 V |
| | 1/3 | 1135 | 2.6 | |
| | 1/4 | 1155 | 2.2 | |
| | 1/5 | 1165 | 2.1 | |
| ORM5458BF | 1/3 | 1075 | 2.0 | 7.5 MFD / 370 V |
| | 1/4 | 1140 | 1.3 | |
| | 1/5 | 1155 | 1.1 | |
| | 1/6 | 1160 | 1.0 | |



ORM5459BF



V-Belts

RHI Advantage

RHI stocks 3L, 4L, 5L, AX, and BX and can order you whatever you need - including matched sets!!



Browning

RHI Pro Tip

'A' Belts - add 2" for the 4L size
'B' Belts - add 3" for the 5L size

Example: A42 = 4L440 B53 = 5L560



Conventional V-Belts

Browning V-Belts are the most common belts used in industries worldwide!

- Bias cut, rubber impregnated fabric cover provides superior flexibility and friction resistance. Oil and heat resistant.
- Ultra high strength polyester cords assure fatigue resistance and length stability while providing the flexibility needed to attain long, trouble-free service.
- Specially compounded rubber body reduces heat build-up while giving firm support to the cords, maintaining uniform load distribution.
- Meets RMA standards for oil and heat resistance and static conductivity.



Shafts & Bearings



| Part # | Description | Shaft Diam. | Length | Outer Diam.* | Style |
|----------|-----------------------------|-------------|--------|--------------|-------|
| 38209601 | Solid Shaft | 3/4" | 20" | — | — |
| 38209501 | Thrust Collar Kit | 1" | 25" | — | — |
| 38220601 | | 3/4" | — | — | — |
| 38208601 | Pillow Block Sleeve Bearing | 3/4" | — | — | B |
| 38244201 | Sleeve Oil Bearing | 3/4" | — | 1-13/16" | A |
| 38244202 | | 1" | — | 2 1/2" | |
| 38244301 | Sleeve Sealed Bearing | 5/8" | — | 1-13/16" | |
| 38244302 | | 3/4" | — | 1-13/16" | |
| 38244303 | | 1" | — | 2-1/2" | |
| 38245001 | Sleeve Oil Bearing | 3/4" | — | 1-27/32" | |
| 38258801 | Sealed Ball Bearing | 3/4" | — | 1-13/16" | C |
| 38259001 | | 1" | — | 2 17/32" | A |

*Outer Diameter is measured over rubber cushion



STYLE A



STYLE B



STYLE C



38-2206-01

Adjustable Pulleys



| Part # | Diam. | Hub Bore |
|------------|-------|----------|
| G078101308 | 3" | 1/2" |
| G078101310 | | 5/8" |
| G078101408 | 4" | 1/2" |
| G078101410 | | 5/8" |



G078101308

Blower Wheels



| Part # | Diam. | Width | Hub Bore | Rotation | RPM | Center Disc | Drive Type |
|----------|---------|---------|----------|----------|------|-------------|------------|
| 01332501 | 10-5/8" | 7-1/8" | 1/2" | CW | 1750 | Convex | Direct |
| 01332402 | | 8" | | CCW | | | |
| 01332401 | | 8" | | CW | | | |
| 01331701 | | 9-1/2" | | CW | | Concave | |
| 01331602 | | 10-5/8" | | CW | | | |

Rotation on a double inlet wheel is viewed from the hub end.
 Rotation on a single inlet wheel is viewed from the back plate (opposite hub).

Adjustable Pulley Fan Blades

Law

| Part # | Size | Rotation | Pitch |
|-------------|--|----------|-------|
| 60718301 | 12" | CW | 27° |
| 60718901 | 14" | CW | 27° |
| 60719501 | 16" | CW | 27° |
| 60800301 | 18" | CCW | 23° |
| 60800501 | 20" | CW | 23° |
| 60559401 | 22" | CCW | 27° |
| 60559701 | 24" | CW | 27° |
| Accessories | | | |
| 60765804 | 1/2" Hub for above blades - RHI stocks several sizes | | |



60718301

60765804

RHI Advantage

RHI stocks many fan blades:

- Diameters 6" - 26"
- Pitches between 23° - 33°
- CW & CCW

How do I determine the fan blade rotation?

Imagine it sitting on a table (either side up). Which way would it turn to "drill" into the table? That's your rotation!



Fan-Hub Puller / Pulley Remover

| Part # | Description |
|--------|------------------------------|
| UP-1 | Sensible Products Hub Puller |
| MA-FB2 | MA-Line Steel Hub Puller |
| BTLGP4 | CPS 4" Gear Pulley Remover |
| BTLGP7 | CPS 7" Gear Pulley Remover |



UP-1

BTLGP7

SAVE TIME

SHOP ONLINE

RHI Supply is open 24/7 Online
Want To Learn More? Contact Your Local RHI Supply Today!

Pleated Air Filters



Merv 8

| Part # | Width | Height | Thickness |
|-----------------|-------|--------|-----------|
| MERV 8 - 1 Inch | | | |
| 10372 | 16" | 20" | 1" |
| 10373 | | 25" | |
| 10375 | 20" | 20" | |
| 10376 | | 25" | |
| MERV 8 - 2 Inch | | | |
| 10384 | 16" | 20" | 2" |
| 10386 | | 25" | |
| 10388 | 20" | 20" | |
| 10390 | | 25" | |

Green Pleated Air Filters



Merv 13

| Part # | Width | Height | Thickness |
|------------------|-------|--------|-----------|
| MERV 13 - 1 Inch | | | |
| 21580 | 16" | 20" | 1" |
| 21582 | | 25" | |
| 21588 | 20" | 20" | |
| 21590 | | 25" | |
| MERV 13 - 2 Inch | | | |
| 21519 | 16" | 20" | 2" |
| 21522 | | 25" | |
| 21524 | 20" | 20" | |
| 21526 | | 25" | |

| MERV Rating | Minimum % of particles trapped | | |
|----------------|--------------------------------|-------------------|--------------------|
| | "PM 2.5 Zone" | | |
| | 0.3 - 1.0 Microns | 1.0 - 3.0 Microns | 3.0 - 10.0 Microns |
| MERV-13 | >50% | >85% | >90% |
| MERV-11 | >20% | >65% | >85% |
| MERV-10 | - | >50% | >80% |
| MERV-9 | - | >35% | >75% |
| MERV-8 | - | >20% | >70% |

**Don't see the size
you're looking for?**

Give us a call and we'll
find **ANY** size you need!

Looking to **save**? Ask about
our drop shipping program!



PLT16X20X1

Air Bear - Replacements



| Part # | Width | Height | Thickness |
|-------------------------------------|-------|--------|-----------|
| DAFCO Gasketed Merv 8 - Replacement | | | |
| 1011848 (Air Bear) | 20" | 25" | 5" |
| 1014817 (Air Bear) | 16" | | |
| MERV 8 - Replacement | | | |
| 5096532661 (Air Cub) | 16" | 25" | 3" |
| MERV 13 - Replacement | | | |
| 1028445 (Air Bear) | 20" | 25" | 5" |

NEW!

**AIR BEAR
REPLACEMENTS**


PermaFilter



Features

- Never needs replacing
- Removes dust, pollen, and airborne pollutants
- High dust and particulate holding capacity

Features

- Made of anti-microbial material
- Easy wash and clean design
- Tested to meet MERV 8 rating
- Metal Frame

| Part # | Width | Height | Length | Frame Size |
|---------|-------|--------|--------|----------------|
| 4940-19 | 16" | 25" | 1" | 1" Metal Frame |
| 4940-26 | 20" | 25" | 1" | 1" Metal Frame |
| 4940-30 | 16" | 25" | 2" | 2" Metal Frame |
| 4940-32 | 20" | 25" | 2" | 2" Metal Frame |
| 4940-42 | 20" | 25" | 4" | 4" Metal Frame |
| 4940-47 | 20" | 25" | 5" | 5" Metal Frame |



4940-19



Breathe Cleaner, Fresher Air!

Who NuShield Helps

NuShield is highly effective in homes, as well as schools, restaurants, medical offices and other types of businesses. NuShield's patented technology uses positive and negative ions to address IAQ issues, cleaning the air inside industrial, commercial and residential buildings.



- Restaurants
- Sports Arenas
- Office Buildings

- Assisted Living
- Government Buildings
- Fitness Studios

- Places of Worship
- Healthcare Facilities
- Museums and Galleries

- Residential Homes
- Schools and Universities
- And Much More!

NuShield® Air Ionization Systems Help
Improve Your Indoor Air Quality

Air Purification



Easy Install. No Maintenance. No Bulbs.

| Part # | Description |
|---------|---|
| 4900-50 | Nu-Calgon NuShield Commercial Ionization System (Internal) For Duct A/C Systems up to 12 Tons / No Maintenance |
| 4900-55 | Nu-Calgon NuShield Commercial Ionization System (External) For Duct A/C Systems up to 12 Tons / No Maintenance |
| 4900-60 | Nu-Calgon NuShield Residential Self Cleaning Ionization System For Duct A/C Systems up to 6 Tons / No Maintenance |
| 4900-35 | iWave-F Flexible & Highly Versatile Ion-Generating Bar. - Perfect for Mini Splits or PTAC Units - Can be Installed in Duct Systems or Ice Machines for Mold. |



4900-50



4900-55



4900-60



4900-35

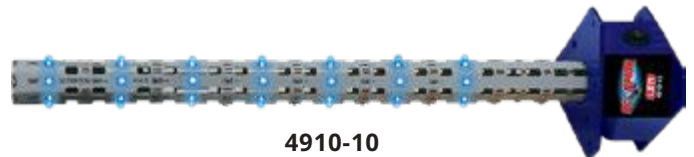
| Feature | iWave | UV Lights |
|----------------------------|---|-------------------------------|
| Kills pathogens downstream | Yes | Only line-of-sight pathogens |
| Controls odors | Yes | No |
| Reduces airborne particles | Yes | No |
| Replacement parts required | No | Bulb replaced every 1-2 years |
| Self-cleaning options | Yes | No |
| Performance | Self-cleaning provides continual peak performance | Fades with UV output |
| Harmful byproducts | No | Some bulbs emit ozone |

| Feature | iWave | UV Lights |
|--|--------------------|----------------------------|
| Mercury in airstream | No | Yes |
| Energy required | < 10 watts | > 60 watts |
| Universal voltage | Most models | No |
| Robust construction | Solid state design | UV bulbs can break |
| UV material breakdown | No | UV lights hard on plastic |
| Contains Titanium Dioxide | No | No |
| Three Year Limited Warranty ^a | Yes | Replace parts in 1-2 years |

Scorpion UVC-LED Disinfection System



| Part # | Description |
|---------|---|
| 4910-10 | Nu-Calgon Scorpion LX15 - 15" LED UVC Light - Low Volts (24V) |
| 4910-11 | Nu-Calgon Scorpion HX15 - 15" LED UVC Light - High Volts (120-240V) |



4910-10

Oxidice Ice Machine Disinfection



Features

- Fits any sized ice machine
- No chemicals to fill or recharge

Features

- Easy Installation

| Part # | Description |
|--------|---|
| CD385 | Oxidice Ice Machine Disinfection System |



CD385



Air Purification **NEW!**



| Part # | Description |
|---------|--|
| 9960052 | Air Scrubber , Duct Mounted Whole Home Purifier, No Ozone (Requires 24V Transformer, Sold Separately) (up to 3,000 sq ft) |
| US71088 | Replacement cell for 9960052 (should be replaced every 2 years) |
| 00746 | Pure and Clean , Portable with No Ozone. Includes HEPA Filter Screen and Carbon Filters. It has a 40-60 CFM Fan that Circulates Air (Up to 2,000 sq ft) |
| 50106 | Replacement Cell for 00746, (2 in each unit, should be replaced every year) |
| 50107 | Replacement Filter for 00746 (Cleaning recommended monthly, reusable) |
| 00693 | AP500 , Active Pure Outlet Mounted Air Scrubber, Perfect for Offices, Dorm Rooms, Nursing Homes, Break Rooms and Bathrooms (350 sq ft) |
| 49861 | Replacement Cell for 00693 (Should be replaced every year) |
| 00709 | Air Scrubber Mobile , 12V/110V/240V Pocket Sized Unit - Perfect for Cars and RVs! (50 sq ft) |
| 9950209 | Maintenance Kit for 00709 (Should be used every year) |



9960052



00746



00693



00709



Air Scrubber

BY AERUS



Air Scrubber

9960052

BY AERUS



ActivePure Technology
Test Results



Scan For More Info

Protect your Indoor
Air and Surfaces 24/7

**WELLNESS BEGINS WITH
THE AIR YOU BREATHE**

The Air Scrubber by Aerus® is an advanced surface and air purification system designed to enhance your indoor air quality. It attaches directly to your existing HVAC system ductwork, providing continuous protection against viruses, bacteria, and other contaminants.

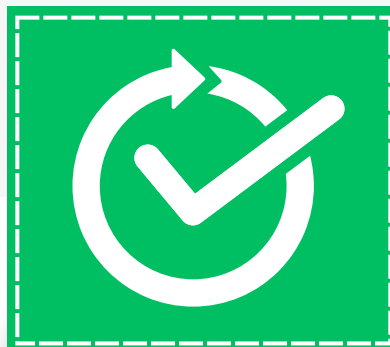


ActivePure Technology



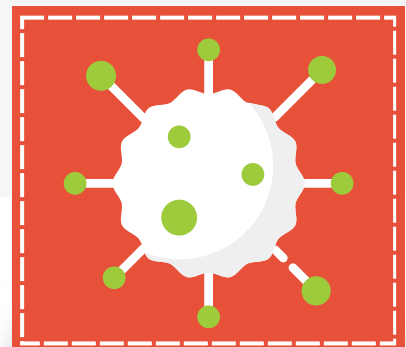
Round-the-clock surface decontamination and air purification of 99.99% of viruses and other contagions*

Easy Installation



Installs directly into your existing ductwork, seamlessly integrating with your existing heating and cooling system

Say Goodbye to Allergens



Reduces dust, dander, pollen, mold and other allergens; promoting clean air and keeping your indoor HVAC equipment clean and protected.

Limited 5-Year Manufacturer Warranty Included



PROLON

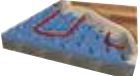

controls




The Preferred Controls Solution for Light Commercial Applications!

ProLon's line of configurable controllers delivers incredibly high performance for all your commercial climate control needs, bringing technology to unprecedented levels of simplicity and accessibility at a fraction of the cost. Perfect for all your Service, HVAC, and Mechanical contractors:

ProLon is the ideal control solution for the following types of mechanical installations

- 
- 
- Packaged rooftop units with VAV / VVT zones.
 - Any air handling unit with cooling, heating and ventilating capabilities.
 - Fan coil units
 - Boilers

- 
- 
- Heatpump (Water/Air source)
 - In-floor heating
 - Humidifiers
 - Typical heating or cooling equipment on mid-sized commercial jobs.

- 
- 
- 
- Perfect for new or retrofit jobs. ProLon's controls are also highly adaptable for existing pneumatic systems.
 - All controllers can be standalone or networked, allowing for a truly scalable system. **Build your system, one controller at a time.**
 - Advanced sequences, focused on mechanical equipment performance and safety, maximize energy efficiency.
 - Free Focus visualization and configuration software supplies real time interactive information about the system including occupancy, available to all levels of management and expertise. Easy-to-learn software, no prior building automation programming experience needed.
 - Backwards compatible controllers ensure obsolescence-free system design.
 - No annual licensing or renewal fees: allow smaller contractors without a controls division to have an effective and proven system solution for light commercial jobs.
 - **ACCESS YOUR SYSTEM** - Access and monitor systems remotely from any device with Internet capabilities (computer, tablet, smartphone). Rapidly view and commission a system from the palm of your hand!
 - **KNOW YOUR SYSTEM** - Follow system performance through the datalogging feature, and receive email alerts from any controller on the network. Be notified before anyone is aware!
 - **BENEFIT FROM YOUR SYSTEM** - Maximize comfort, minimize energy costs: cut unnecessary energy expenses using outdoor temperature interlocks, morning warm up sequences, occupancy scheduling, and more!



CPS 5-2-1 Compressor Saver™



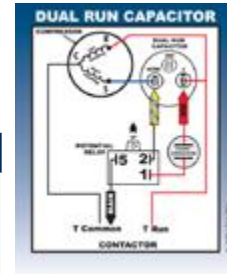
Features

- Pre-wired potential relay and start capacitor
- Three color coded wires to connect for ease of installation

Features

- Reduces time compressor is on high amp start-up, which helps prevent the dimming effect of household lighting
- Instant re-start

| Part # | Volts | Tons | Compressor |
|--------|---------|---------|------------------------|
| CSRU1 | 208-240 | 1-2-3 | Scroll / Reciprocating |
| CSRU2 | | 3.5-4-5 | |
| CSRU3 | | 4-5 | |



The CPS CSRU1 5-2-1 Compressor Saver reduces start-up strain and power consumption while improving reliability. Pre-wired with three simple connections: Black to Common, Striped to Start, Red to Run (5-2-1 = Common, Start, Run).



Smart Anemometers



Features

- Built-in data logging functionality
- Measure, calculate, record, and more!

Features

- Free Android / iOS app available
- Easily email professional looking reports

| Part # | Description |
|--------------|---|
| ABM-100 | Measures Air Velocity - Needs Headphone Jack! |
| ABM-200 | Measures Air Velocity, Temp, Humidity, & More! Wireless! |
| ABM-HOOD-200 | Air Flow Balancing Hood with ABM-200 |

These Are An Accurate And Inexpensive Way To Balance Or Find Airflow Problems!!



Smart Manometer Kit



Features

- Measures static pressure, pressure differential, indoor vs. outdoor pressure, and system external static pressure
- Built in data logging

Features

- Powered by CR2450 lithium coin battery (included)
- Automatically utilizes local weather data for calibration and improved accuracy

| Part # | Description | Range |
|---------|---|--------------|
| SPM-K1* | Wireless Smartphone Manometer and Probe Kit | -75" to +75" |



*Includes

- (1) SPM-100 manometer
- (2) Static Pressure Probes with Magnetic Color Coded Bases
- (2) 6' Sections of Tubing
- (1) Brass Gas Fitting

Smart Data Logger



Features

- Compact and portable design for logging temperature and humidity
- Measures dry bulb, wet bulb, temperature, and relative humidity

Features

- Stores date and readings for up to 90 days
- Connects via app to most major android and apple devices

| Part # | Description |
|------------|------------------------------|
| TS-100-6PK | TempSmart Data Logger (6 Pk) |

| Reading Increments | Data Log Capacity | |
|--------------------|-------------------|--------|
| | Hours | Days |
| 5 Seconds | 28 | 1.2 |
| 30 Seconds | 167 | 7 |
| 1 Minute | 333 | 14 |
| 5 Minutes | 1,667 | 69 |
| 30 Minutes | 10,000 | 417 |
| Hourly | 20,000 | 833 |
| Daily | 480,000 | 20,000 |





V8043E5012

Resideo Zone Valves

The most popular zone valves in our market. The Original is tried and true. The Quick Fit 5000 series valves have a slow close, a better warranty, and a pop top.

And finally, you asked - Resideo delivered: The original is available with ProPress connections!!!



V8043E1412

Zone Valves "Quick Fit" - Quieter Operation

resideo

Features

- May be installed without disassembling the valve
- "Quick Fit" push-button powerhead makes it easy to remove for service

Features

- Backward compatible with series 1000 zone valves
- Silent operation, water hammer resist and longer life

| Part # | Connection Size | CV | Electrical Conn. |
|------------|-----------------|-----|------------------------------|
| V8043E5012 | 3/4" Sweat | 3.5 | 18" Leads w/ End Switch |
| V8043E5036 | | 3.5 | Terminal Block w/ End Switch |
| V8043E5079 | 1" Sweat | 8 | 18" Leads w/ End Switch |
| V8043F5051 | | 3.8 | Terminal Block w/ End Switch |



V8043E5036

Zones Valves - The Original

resideo

Features

- May be installed without disassembling the valve
- Compact construction for easy installation

Features

- Complete powerhead may be removed or replaced without breaking plumbing line connections or draining the system

| Part # | Connection Size | CV | Electrical Conn. |
|------------|-----------------|-----|------------------------------|
| V8043E1012 | 3/4" Sweat | 3.5 | 18" Leads w/ End Switch |
| V8043F1036 | | 3.5 | Terminal Block w/ End Switch |
| V8043E1079 | 1" Sweat | 8 | 18" Leads w/ End Switch |
| V8043F1051 | | 3.5 | Terminal Block w/ End Switch |



V8043E1012

Zones Valves - With Viega Press Connections

resideo

| Part # | Connection Size | CV | Electrical Conn. |
|------------|-----------------|-----|------------------------------|
| V8043E1412 | 3/4" Press | 3.5 | 18" Leads w/ End Switch |
| V8043F1512 | | 3.5 | Terminal Block w/ End Switch |
| V8043E1413 | 1" Press | 8 | 18" Leads w/ End Switch |
| V8043F1513 | | 3.5 | Terminal Block w/ End Switch |



V8043E1412

Not sure what CV is or what is needed for your job? See next page (98)!

Replacement Zone Heads

resideo

| Part # | Description | Volts | Replacement for |
|--------------|---|-------|------------------------|
| 40003916-026 | Lead Wires w/ End Switch | 24 | V8043E1xxx |
| 40003916-526 | | 24 | V8043E5xxx (Quick Fit) |
| 40003916-048 | Terminal Block w/ End Switch | 24 | V8043F1xxx |
| 40003916-548 | | 24 | V8043F5xxx (Quick Fit) |
| Adapter Kits | | | |
| 40003918-006 | Adapter Plate, Ball, Shaft for 2-Way Valves | | |



40003916-048

Replacement Motors

resideo

| Part # | Description | Volts | Replaces |
|----------|----------------------------|-------|--------------|
| 802360JA | Zone Valve Motor | 24 | V8043 Valves |
| 802360UA | "HI-TEMP" Zone Valve Motor | 24 | V8043 Valves |



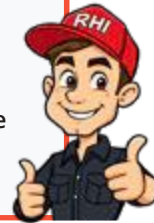
802360JA

What is "CV" and what is the right CV for my job?

Valve Flow Coefficient, or CV, is a number that represents the flow capacity of a valve.

Rule of Thumb:

If you double the CV rating of a valve, you'll get the flow rate in GPM at a 4 PSI drop across the valve. This works in most applications.



Example

The V8043E5012 has a CV of 3.5, so in a typical application, it can do 7 GPM.

How do Honeywell Zone Valves Measure Up Against Other Options?

| Features | Honeywell V8043 5000 | Erie | Caleffi | White Rodgers by Mut | Taco ESP | The Honeywell Advantage |
|---|----------------------|---|---|----------------------|---|--|
| Soft Close Technology | Yes | No | No | No | Yes | Suppress water hammer. |
| Silent Actuator Operation | Yes | No | No | No | No | No callbacks due to noise issue. |
| Valve In-the-Pipe Serviceable | Yes | 2-way, Yes (from bottom) 3-way, No | No | No | No | Easy field service – internal components can be removed and serviced without detaching unit from pipe. |
| Push-Button QuickFit (3-point metal-to-metal latch) | Yes | Push-button PopTop (2-point plastic latching) | Push-button PopTop (3-point plastic latching) | No | 1/4 Turn (plastic latching) | Easy to service powerhead. Robust latching eliminates callbacks due to breakage. |
| Metal Selector Gear | Yes | No (plastic) | No (plastic) | Yes | No (plastic) | No callbacks due to gear breakage. |
| Actuator Backward Compatible | Yes | Yes | No | No | No | Option to upgrade huge installed base of previous generations of Honeywell V8043s. |
| Spring Return Swing Type Rotating Ball Plug | Yes | Spring return Swing type paddle plug | Spring return Swing type paddle plug | Yes | Ball valve design requires high break-away torque motor | New seal every time for long life and positive closure. |
| 3-Year Warranty (from date of installation) | Yes | 1 year (from date of installation) | 1 year | 1 year | Yes | Peace of mind to homeowner. |

Hydronic Zoning

resideo

| Part # | Description |
|---------------------------|------------------------------|
| Pump Relay | |
| HPSR101 | Single Zone Switching Relay |
| Zoning with Pumps | |
| HPSR103 | 3 Zone Panel for Pumps |
| HPSR104 | 4 Zone Panel for Pumps |
| HPSR106 | 6 Zone Panel for Pumps |
| Zoning with Valves | |
| HPZC103 | 3 Zone Panel for Zone Valves |
| HPZC104 | 4 Zone Panel for Zone Valves |
| HPZC106 | 6 Zone Panel for Zone Valves |



HPZC106



**HPZC106
(COVER REMOVED)**



Hydronic Zoning Panels

Intuitive setup makes zoning a snap.

Zoning is an ideal way to help your customers maximize comfort while enjoying energy savings, but zoning for homes with a central boiler has been time consuming — until now. Honeywell's Hydronic Zoning Panels feature simplified setup and reduced wiring for quick installation. You'll be able to offer your hydronic customers the many benefits of zoning easier than ever before.



Application Flexibility

- Compatible with most thermostats, including power-stealing and electromechanical models
- C-terminal available for every thermostat connection



Easy Access

- **STATUS PANEL** — The LED panel is visible and functional whether the cover is on or off, saving troubleshooting time
- **HINGED DOOR** — The quarter-turn access and hinge-off front cover provide both safety and quick access



Backed By Honeywell

- Proven history of reliable performance and product support
- 5-year warranty



Installation Ease

- **FAMILIAR SETUP*** — Includes the same board layout and matching functionality as the industry standard, so no additional training is needed
- **FLEXIBLE MOUNTING** — The gravity-centered hang hole speeds mounting, and the included DIN rail mounting system offers an additional option
- **COLOR-CODED WIRING** — Easy-to-understand labels coded to wire colors increase installation speed and decrease the risk of errors
- **SIMPLE LAYOUT COVER** — The cover reduces visual clutter and provides clear wiring labeling.

T6 Programmable Hydronic Floor Thermostat

resideo

| Model | Description |
|--|--|
| TH6100AF2004 | 1 Heat Includes 10K Floor Sensor, a fantastic floor heat thermostat that only requires 2 wires!! |
| The T6 Floor Thermostat Is A Perfect Match For These Panels! | |

Resideo Mixing Valves

| Part # | Connection Size | Connection Type | Temperature Range |
|------------|-----------------|-----------------|-------------------|
| AM101RUS1 | 3/4" | Union Sweat | 80°F to 180°F |
| AM102RUS1 | 1" | | |
| AM101RUP-1 | 3/4" | Union ProPress | 70°F to 180°F |
| AM102RUP-1 | 1" | | |



AM101RUS1

resideo



AM101RUP-1

Resideo Backflow Solutions

| Part # | Description |
|-------------|--|
| NK300S100 | 1/2" Pressure Reducing Valve & Backflow Preventer - Non ASME |
| NK300S100UP | Same as the NK300S100 but with ProPress Connections |
| BP900 | 1/2" Backflow Preventer - Replaces a Watts 9D |



NK300S100UP

resideo



BP900

SuperVent® Air Eliminators

| Part # | Connection |
|-------------|----------------------------|
| PV075(S)(P) | 3/4" NPT (Sweat) (Press) |
| PV100(S)(P) | 1" NPT (Sweat) (Press) |
| PV125(S)(P) | 1-1/4" NPT (Sweat) (Press) |

PV075S



PV075

resideo



PV100P

Resideo Hydronic Accessories

| Part # | Description | Connection Size |
|------------|--|-----------------|
| D146M1032 | Differential Pressure Regulator | 3/4" NPT |
| D146M1040 | Differential Pressure Regulator | 1-1/4" NPT |
| GT161 | 2" Dial Thermometer w/ 1/2" IPS Well | 1/2" NPT |
| GS200 | 2" Dial Thermometer w/ 1/2" Sweat Well | 1/2" Sweat |
| FV147 | Economy Air Vent | 1/8" NPT |
| FV180 | Standard Air Vent | 1/8" NPT |
| FV180A | Standard Air Vent | 1/4" NPT |
| EA122A1002 | Deluxe Air Vent w/ Built in Shut-off Valve | 1/8" NPT |



EA122A1002

resideo



FV180



D146M1032



GT161



FV147

Hydraulic Separators

NEW!

| Part # | Description | Connection Size |
|---|---|-----------------|
| HYDROSEP-102-U | Hydro Sep w/ Union Connectors | 1" |
| HYDROSEP-103-U | | 1-1/4" |
| HYDROSEP-104-U | | 1-1/2" |
| HYDROSEP-105-U | | 2" |
| Hydraulic Separator Union Adapters (Sold As Pair) - REQUIRED FOR HYDROSEP-10*-U | | |
| HS-(NPT)(PRESS)(SWEAT)-102 | Hydro Sep Union Connection Adapters (Pair) | 1" |
| HS-(NPT)(PRESS)(SWEAT)-103 | | 1-1/4" |
| HS-(NPT)(PRESS)(SWEAT)-104 | | 1-1/2" |
| HS-(NPT)(PRESS)(SWEAT)-105 | | 2" |

resideo



HYDROSEP-102-U



HS-NPT-102



HS-PRESS-102

Hydronic Expansion Tanks

| Part # | Model Size | Volume (gal) | Connection Size | Dimensions (L x W x H) | Acceptance Volume (gal) |
|---------------------------------|------------|--------------|-----------------|------------------------|-------------------------|
| Inline Models | | | | | |
| ZHT8-15 | #15 | 2.1 | 1/2" MPT | 9" x 9" x 13" | 1.4 |
| ZHT18-30 | #30 | 4.8 | | 12" x 12" x 16" | 3.3 |
| ZHT24-60 | #60 | 6.3 | | 13" x 13" x 17" | 3.9 |
| Floor Mounted Models | | | | | |
| ZHT80 | #80 | 21.1 | 3/4" MPT | 18" x 18" x 25" | 15.3 |
| ZHT105 | #105 | 27.7 | | 20" x 21" x 27" | 20.1 |
| ZHT150 | #150 | 39.6 | | 21" x 21" x 37" | 28.8 |
| Inline Flat Wall Mounted Models | | | | | |
| ZFT8R-15 | #15 | 2.1 | 1/2" MPT | 20" x 11" x 5" | 1.1 |
| ZFT18R-30 | #30 | 4.8 | | 20" x 15" x 7" | 2.7 |



RHI Pro Tip

Zilmet's rectangle tanks are perfect for a clean look on a wall install or tight mechanical room!



Hydronic Expansion Tanks

| Part # | Model Size | Volume (gal) | Connection Size | Dimensions (Diameter x H) | Acceptance Volume (gal) |
|---------------|------------|--------------|-----------------|---------------------------|-------------------------|
| Inline Models | | | | | |
| TK300-15 | #15 | 2 | 1/2" MPT | 8" x 12.6" | 1 |
| TK300-30 | #30 | 4.4 | 1/2" MPT | 11" x 15.5" | 2.5 |
| TK300-60 | #60 | 7.6 | 1/2" MPT | 11" x 23" | 2.5 |



TK300-30

resideo

Thermal Expansion Tanks - Inline Models

| Part # | Model Size | Volume (gal) | Connection Size | Dimensions (L x W x H) | Acceptance Volume (gal) |
|--------|------------|--------------|-----------------|------------------------|-------------------------|
| ZEP5 | #15 | 2.1 | 3/4" MPT | 13" x 9" x 9" | 1.4 |
| ZEP12 | #30 | 4.8 | 3/4" MPT | 16" x 11" x 11" | 3.3 |



ZEP12

Cal-Pro In-line Hydronic Radiant Tanks

Features

- Designed for low temperature radiant floor systems
- Suitable for use with glycol

Features

- All radiant tanks have a polypropylene liner to prevent corrosion due to oxygen entering the system

| Part # | Model Size | Volume (gal) | Connection Size | Dimensions (L x W x H) | Acceptance Volume (gal) |
|---------|------------|--------------|-----------------|------------------------|-------------------------|
| ZHT-R15 | #15 | 2.1 | 1/2" MPT | 7.9" x 7.9" x 11" | 1.4 |
| ZHT-R30 | #30 | 4.8 | 1/2" MPT | 10.6" x 10.6" x 13.7" | 3.3 |



ZHT-R15

Taco Zone Valves



| Part # | Description | Position | Connection Size | Connection Type | Cv |
|-------------|---|----------|-----------------|-----------------|------|
| 571-2 | Zone Valve | N.C. | 3/4" | Sweat | 6.1 |
| 556-G3 | SWT Geothermal Valves - Close Slow w/ No Hammer | | 3/4" | Sweat | 6.1 |
| 5101-G3 | NPT Geothermal Valves - Close Slow w/ No Hammer | | 3/4" | Threaded | 6.1 |
| Z050P2 | ProPress Zone Valve | | 1/2" | Press | 3.4 |
| Z075C2 | Zone Valve | | 3/4" | Sweat | 10.3 |
| Z075P2 | ProPress Zone Valve | | 3/4" | Press | 9.5 |
| Z075T2 | NPT Zone Valve | | 3/4" | Threaded | 10.3 |
| Z100C2 | Zone Valve | | 1" | Sweat | 8.9 |
| Z100P2* | ProPress Zone Valve | | 1" | Press | 7.5 |
| Z100T2* | NPT Zone Valve | | 1" | Threaded | 8.9 |
| * ZA024Q4A1 | Sentry Actuator - For The Two Above Valves | — | — | — | — |

Pro Panel - Pre-Wired Hydronic Floor Panel



| Part # | Description |
|--------------------------|---|
| RPP-M1ZN-T-0015E-0015ERP | Primary / Secondary, 1 Zone, Boiler w/ Pump - 0015E3-F4 |



RPP-MPUMP-T-0015E-XXXX-RP
WITH RPP-Z-T-0015E-1T3P-RP

New Pro Panels from Taco

Radiant Pro Panels are customized panels designed for your specific applications. The Zoning by Zone Valve Panels are designed to be a two-panel system, the first being the Master Valve Panel for the boiler loop and the second being the Zoning by Zone Valve panel selected based on the number of zones. The Master Valve Panel can be selected with or without a boiler circulator and multiple circulators are available. Multiple circulator options exist to be sized correctly for the boiler. The M-Valve panels are for boilers that do NOT have circulators as they provide the boiler loop circulator; the CM-Valve panels are for boilers that have circulators pre-installed as is the case with most Combination boilers. The Master Valve Panels include the boiler circulator (if applicable), air eliminators, expansion tanks, relief valves and push type fittings to connect to the Zoning by Zone Valve Panels. The Zoning by Zone Valve Panels include the controls and zone valves and push type fitting to connect to the Master Valve Panels. Virtually everything is piped, wired and pressure tested. These systems are designed to install and fill easily and quickly.

Taco Hydronic Zoning



| Part # | Description |
|---------------------------|--|
| Pump Relay | |
| SR501 | Single Zone Switching Relay |
| Zoning with Pumps | |
| SR502 | 2 Zone Panel for Pumps |
| SR503 | 3 Zone Panel for Pumps |
| SR504 | 4 Zone Panel for Pumps |
| SR506 | 6 Zone Panel for Pumps |
| Zoning with Valves | |
| ZVC403 | 3 Zone Panel for Zone Valves |
| ZVC404 | 4 Zone Panel for Zone Valves |
| ZVC405 | 6 Zone Panel for Zone Valves |
| Switching Relay | |
| SR504-EXP | Expandable Switching Relay w/ Powerports |



SR501-4



SR503-4

Tekmar Hydronics



| Part # | Description |
|--------|--|
| 256 | Boiler Control Operates a Single Boiler Using Outdoor Temperature Reset |
| 261 | Boiler Control 261 is Designed to Stage Two On/Off Boilers Using Outdoor Temperature Reset |
| 132 | Pump Sequencer Operates 2 Pumps by Providing Stand-By or Staging Operation (Requires 070 Sensor) |
| 070 | Outdoor Sensor- Accurate Sensing of the Outdoor Temperature for Display and Control Operation |
| 071 | Universal Sensor- Used for a Wide Range of Applications, from Sensing Boiler Supply Temperature to Slab Temperature |
| 079 | Slab Sensor Commonly used for Floor Temperature Sensing in Floor Heating Applications |
| 564 | 2-Wire WiFi Thermostat with HVAC Interface Module |
| 654 | Snow Melting Control 654 to Operate Electric or Hydronic Equipment to Melt Snow or Ice From Any Surface |
| 090 | Snow/Ice Sensor in Ground Sensor used with Tekmar Snow Melting Controls to Detect Snow / Ice on a Driveway or Walk-way |
| 091 | Snow/Ice Sensor Socket 091 Mounting Solution for the Snow/Ice Sensor 090 |
| 095 | Snow Sensor 095 is an Aerial Mounted Sensor That Detects Falling Snow and Allows a Tekmar Snow Melting Control 653 and 654 to Automatically Start the Snow Melting Equipment |



256



564



654



090



091



095



071

ZoneTight Valves (Mix and Match)

- Ball valve technology avoids clogging
- DC motor runs at only 0.3 W maximizing energy savings
- Ultra-compact design allows for installation in tight areas
- Field set adjustment of Cv and maximum flow is fast
- Valve and actuator snap together; no tools are required


BELIMO

Zone Tight Zone Valves

| | Cv | Size | 2-Way | 3-Way | Model # |
|--------------|-----|------|-------|-------|------------|
| NPT | 5.9 | 1/2" | ✓ | — | Z2050Q-J |
| | 9.8 | 3/4" | ✓ | — | Z2075Q-K |
| | 8.2 | 1" | ✓ | — | Z2100Q-K |
| | 2.7 | 1/2" | — | ✓ | Z3050Q-H |
| | 4.6 | 3/4" | — | ✓ | Z3075Q-J |
| SWEAT | 5.9 | 1/2" | ✓ | — | Z2050QS-J |
| | 9.8 | 3/4" | ✓ | — | Z2075QS-K |
| | 2.7 | 1/2" | — | ✓ | Z3050QS-H |
| | 4.6 | 3/4" | — | ✓ | Z3075QS-J |
| PRESS | 5.9 | 1/2" | ✓ | — | Z2050QPF-J |
| | 9.8 | 3/4" | ✓ | — | Z2075QPF-K |
| | 8.2 | 1" | ✓ | — | Z2100QPF-K |

RHI Pro Tip

These little valves are great problem solvers. We carry a great selection of these options to allow us to build the valve you need - when you need it!

Order Example:

3/4" Sweat, 2-Way, with a 24V, Spring Closed Actuator
 (Like almost every zone valve out there...)

Z2075QS-K + CQKB24-S-RR

Zone Tight Actuators

BELIMO

| | Volts | Open Close | Floating | Modulating 2-10 VDC | Aux Switch | Extra Detail | Model # |
|----------------------|-------|------------|----------|---------------------|------------|----------------------------|-------------|
| NON FAIL-SAFE | 24 | ✓ | ✓ | — | — | — | CQB24-3 |
| | 120 | ✓ | ✓ | — | — | — | CQBUP-3 |
| | 24 | — | — | ✓ | — | 10 VDC is fully closed | CQB24-SR-L |
| | 24 | — | — | ✓ | — | 10 VDC is fully open | CQB24-SR-R |
| SPRING RETURN | 24 | ✓ | — | — | ✓ | Normally Closed Fail Close | CQKB24-S-RR |
| | 24 | ✓ | — | — | ✓ | Normally Open Fail Open | CQKB24-S-LL |

Webstone Pump Flanges

Webstone

| Part # | Description | Connection | Connection Size | Lead-Free? |
|-----------------|--|--------------------------|---------------------|------------|
| H-41403HV | Rotating Isolation Flange | FPT x Rotating Flange | 3/4" | — |
| H-41403W | | | 3/4" | ✓ |
| H-41404HV | | | 1" | — |
| H-41405HV | | | 1-1/4" | — |
| H-41405W | | | 1-1/4" | ✓ |
| H-41406HV-RF375 | Round Detachable Rotating Isolation Flange | | 1-1/2" | — |
| H-41413HV | Rotating Isolation Flange w/ Drain | | 3/4" | — |
| H-41414HV | | | 1" | — |
| H-41415HV | | | 1-1/4" | — |
| H-41416HV | | 1-1/2" | — | |
| H-50404 | Isolation Flange | Sweat x Flange | 1" | — |
| H-51404 | Rotating Isolation Flange | Sweat x Rotating Flange | 1" | — |
| H-51405 | | | 1-1/4" | — |
| H-51414W | Rotating Isolation Flange w/ Drain | | 1" | ✓ |
| H-51415W | | | 1-1/4" | ✓ |
| H-81403HV | Rotating Isolation Flange | Press x Rotating Flange | 3/4" | — |
| H-81404HV | | | 1" | — |
| H-81405HV | | | 1-1/4" | — |
| H-81406HV | | | 1-1/2" | — |
| H-81407HV | | | 2" | — |
| H-81413HV | Rotating Isolation Flange w/ Drain | | 3/4" | — |
| H-81414HV | | | 1" | — |
| H-81415HV | | | 1-1/4" | — |
| H-81416HV | | | 1-1/2" | — |
| H-81417HV | | | 2" | — |
| H-13703HV | Isolation Double Check Flange | Flange x Rotating Flange | 3/4" through 1-1/4" | — |
| H-13706HV | | 1-1/2" through 2" | — | |

Primary / Secondary Valves

Webstone

| Part # | Description | Connection | Size |
|---------|--|------------|-----------------|
| H-88643 | Purge Tee - Primary/Secondary Loop | Press | 1" x 3/4" |
| H-88644 | | | 1" x 1" |
| H-88654 | | | 1-1/4" x 1" |
| H-88655 | | | 1-1/4" x 1-1/4" |
| H-58643 | | Sweat | 1" x 3/4" |
| H-58644 | | | 1" x 1" |
| H-58654 | | | 1-1/4" x 1" |
| H-58655 | | | 1-1/4" x 1-1/4" |



H-88643



H-58644

Purge & Fill

| Part # | Description | Connection | Size |
|---------|--------------|------------|--------|
| H-58614 | Purge & Fill | Sweat | 1" |
| H-88613 | | Press | 3/4" |
| H-88614 | | | 1" |
| H-88615 | | | 1-1/4" |
| H-88616 | | | 1-1/2" |


Webstone
H-58614

Ball Valves

| Part # | Description | Connection | Connection Size | Lead-Free? |
|----------|----------------------------------|-------------------|-----------------|------------|
| H-80313W | Ball Valve w/ Hose Drain and Cap | FPT x Hose | 3/4" | ✓ |
| H-80434W | Ball Valve | FPT Union x Press | 1" | ✓ |
| H-80435W | | | 1-1/4" | ✓ |
| H-80613 | | Press x Press | 3/4" | — |
| H-80614 | | | 1" | — |
| H-80615 | | | 1-1/4" | — |


Webstone
H-80313W

Magnetic Boiler Filter and Hydronic Accessories

| Part # | Description | Connection | Size |
|---------|--|------------|--------|
| H-78704 | Brass Magnetic Boiler Filter | Press | 1" |
| H-78705 | | | 1-1/4" |
| H-78706 | | | 1-1/2" |
| H-78714 | Brass Magnetic Boiler Filter w/ Isolation Valves | MPT | 1" |
| H-72714 | | | 1" |


H-78704
Webstone
H-78714

Air Separators

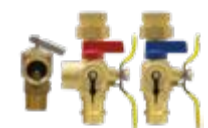
| Part # | Description | Connection | Connection Size |
|---------|---------------------------|------------|-----------------|
| H-78004 | Air Separator | Press | 1" |
| H-78005 | | | 1-1/4" |
| H-78006 | | | 1-1/2" |
| H-74000 | Replacement Vent Assembly | — | — |


H-78004

H-74000
Webstone

Step Saving Solutions

| Part # | Description | Connection | Connection Size | Lead Free? |
|---------------|-----------------------------------|-----------------------|-----------------|------------|
| H-41672 | Expansion Tank Pro Service Valve | FNPT x MNPT | 1/2" | — |
| H-44443WPR-LF | Tankless Water Heater Service Kit | FNPT Union x FNPT | 3/4" | ✓ |
| H-44444WPR-LF | Tankless Water Heater Service Kit | FPT FNPT Union x FNPT | 1" | ✓ |
| H-50435W | Ball Valve w/ Drain | Union x Sweat | 1-1/4" | ✓ |
| H-50673W | T-Drain | Sweat | 3/4" | ✓ |
| H-40435 | Ball Valve w/ Drain | Union x FPT | 1-1/4" | — |

Webstone
H-41672

H-44443WPR-LF

Caleffi Hydronic Solutions



| Part # | Description |
|----------|--|
| Z45P | ProPress Zone Valve, 24V, 3/4" with End Switch (Leads) |
| Z55P | ProPress Zone Valve, 24V, 3/4" with End Switch (Terminals) |
| 502043A | 1/2" MNPT High Capacity Air Vent |
| 535651HA | 3/4" ProPress Adjustable Pressure Reducing Valve w/ Gauge |
| 535341HA | 1/2" NPT Adjustable Pressure Reducing Valve w/ Gauge |
| 546195A | Air/Dirt Separator with Magnet - 3/4" Sweat |
| 546196A | Air/Dirt Separator with Magnet - 1" Sweat |
| 546116A | Air/Dirt Separator with Magnet - 1" NPT |
| 546197A | Air/Dirt Separator with Magnet - 1-1/4" Sweat |
| 549596A | 4-in-One Hydraulic Separator - 1" Sweat Union |
| 549506A | 4-in-One Hydraulic Separator - 1" NPT Union |
| 549597A | 4-in-One Hydraulic Separator - 1-1/4" Sweat Union |
| 549507A | 4-in-One Hydraulic Separator - 1-1/4" NPT Union |
| 132552A | Balancing Valve w/ Flow Meter (2-7 GPM) |
| 551066AC | 1" Air Separator- Pro Press, w/ Check Valve, Holds Exp. Tank |
| 551067AC | 1-1/4" Air Separator ProPress, w/ Check Valve, Holds Exp. Tank |
| NA553366 | Boiler Trim Kit - 1" Press with #30 Tank |



Z55P



535651HA



502043A



546195A



132552A



132552A



551066AC



NA553366

Watts Hydronic Accessories



| Part # | Description | Conn. Size |
|-------------|--|------------|
| LF919QTS1/2 | Backflow Preventer, RPZ | 1/2" NPT |
| LF919QTS3/4 | | 3/4" NPT |
| 9D 1/2 | Backflow Preventer, Dual Check Valve w/ Vent | 1/2" NPT |
| 9D 3/4 | | 3/4" NPT |



9D



LF919QTS

Watts Relief Valves



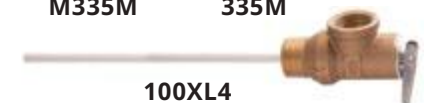
| Part # | Description | Conn. Size | PSI | Temp. | BTU |
|--------|-------------------------------|------------|-----|-----------|---------|
| 335M | Pressure Relief Valve | 3/4" F x F | 30 | — | 510,000 |
| M335M | | 3/4" M x F | 30 | — | 510,000 |
| 100XL4 | Temp. & Pressure Relief Valve | 3/4" M x F | 150 | 210°F Max | 105,000 |



M335M



335M



100XL4

Conbraco Relief Valves

| Part # | Description | Connection Size | PSI | BTU |
|-----------|--------------|------------------|-----|---------|
| 10-407-05 | Relief Valve | 3/4" MNPT x FNPT | 30 | 535,000 |
| 10-408-05 | | 3/4" FNPT x FNPT | | |



Sight Glass Kit

| Part # | Description | Connection Size |
|-----------|-------------------------|-----------------|
| 20-151-00 | Water Level Sight Glass | 1/2" |



Hydronic Accessories



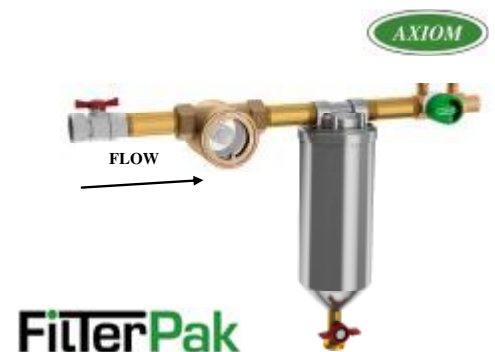
| Part # | Description |
|-------------------------------|--|
| McDonnell & Miller | |
| 120611 | FS-251 Flow Switch - 1" NPT |
| 120610 | FS-254 Flow Switch - 1" NPT - NEMA 4 Enclosure |
| 176234 | 751-P-MT- 120 Low Water Cut-off Includes Probe, Manual Reset, & Test Switch |
| 144692 | RB-24E Low Water Cut-off - Residential |
| Hoffman Specialties | |
| 160030 | WC-8-20B Condensate Unit, Cast Iron, up to 20 GPM |
| 180001 | Pump / Motor Combo for WC-8-20B |
| 180013 | Seal Kit for WC-8-20B |
| 401542 | 17C Steam Trap |
| 404200 | FT015 3/4" F&T Trap (Float & Thermostatic) |
| 404210 | FT015 1" F&T Trap (Float & Thermostatic) |
| Safgard | |
| 500SV | 24V Low Water Cutoff - Gas, Manual Reset, Test Light, and Short Probe (Commercial) |
| 550SV | 120V Low Water Cutoff - Gas or Oil, Manual Reset, Test Light, and Short Probe (Commercial) |
| 1100M | 24V Compact Low Water Cutoff - Gas, Manual Reset, Test Light, Short Probe (Residential) |



Sidestream Filters

Axiom's Hydronic Sidestream Filter Package delivers effective ongoing protection against the damaging effects of debris in all types of heating and cooling systems. Monitoring and Maintaining clean hydronic system fluid has never been easier.

| Part # | Description |
|------------|---|
| SFP-10 | SFP Filter Kit 3/4", 10" Elements w/ Balancing Valve |
| SFP-20 | SFP Sidestream Filter Kit 1", 20" Elements w/ Balancing Valve |
| SFP-10-25M | Replacement Cartridge, for 10" Housing, 25 Micron |
| SFP-10-5M | Replacement Cartridge, 10" Housing, 5 Micron |



B&G Bearing Assemblies and Parts



| Part # | Description | Application |
|--------|---|---|
| 118844 | Bearing Assembly for Iron Pumps | Series 100 NFI & BI |
| 189134 | Bearing Assembly for Iron Pumps w/ Impeller | Series 100 NFI |
| 189034 | Bearing Assembly for Bronze Pumps | Series 100 BNFI & AB |
| 189162 | Bearing Assembly for Bronze/Iron Pumps | Series 2" & HV |
| 189163 | Bearing Assembly for Iron Models w/ Bronze Impeller | Series 2" & HV |
| 189105 | Bearing Assembly for Bronze/Iron Pumps | Series 2-1/2", HD3, LD3 & PR |
| 186863 | Bearing Assembly for Bronze/Iron Pumps | Series 1522, 60 & PD |
| 185332 | Bearing Assembly | Maintenance-free Series 60 |
| 118705 | Coupler (1/2" x 1/2" Cast Iron) | Series 100, HV, PR, 1", 1-1/4", 1-1/2", & 2" |
| 118473 | Coupler | Series PD-35, PD-37, & 60 "AA" |
| 118223 | Motor Mount | Series 100 1/12 HP, HV, and 2" Booster Pumps |
| 118228 | Motor Mount | Series PR, 2-1/2", LD-3, HD-3 Booster Pumps, 60 |
| 189132 | Plastic Impeller (2-3/4" Diameter) | Series 100 NFI & BNFI |
| 118666 | Steel Impeller (3-5/16" Diameter) | Series 1-1/4" & 1-1/2" |
| 118668 | Steel Impeller (3-3/8" Diameter) | Series 2", HV, & HV IB |
| 111034 | Motor - 1/12 HP | Series 100 |
| 111031 | Motor - 1/6 HP | Series HV Manufactured Before 1976 |
| 111040 | Motor - 1/4 HP | Series 2-1/2" & LD3, Armstrong 817025-007 |
| 118681 | Seal Kit #7 | Used with 118844, 189034, 189100, & 186863 |
| 118153 | Tube of Lube Oil (1.5 oz) | — |
| 67 | Air Vent | 1/8" NPT for Hot Water Systems 113020 |
| B38 | Reducing Valve | Range 10-25 psi - Factory Set at 12 PSI |
| FB38 | Reducing Valve | Same as B38 but with Fast Fill Lever |
| 112010 | ATF-16 (16" Long) | Airtrol Tank Fittings |
| 118395 | Oil Wick Set | Series 100, HV, 2", PR, 2-1/2", LD-3, HD-3, PD-35, PD-37, 60 "AA", 1522, 1", 1-1/4", 1-1/2", 2" |


189034

189105

185332

118473

118668

67

189134

189163

186863

118705

118223

118681

111034

111031

111040

B-38

FB-38

ATF-16

We have the B&G parts you are looking for! We stock a lot of odd and hard to find parts. If we don't have it in stock we can get it - fast!

Thermostatic Radiator Valves

Danfoss

| Part # | Connection Size | Connection Type | Body Pattern |
|-----------|--|-----------------|---------------|
| 013G8015 | 1/2" | FNPT x MNPT | Straight Thru |
| 013G8020 | 3/4" | | |
| 013G8025 | 1" | | |
| 013G8032 | 1-1/4" | | |
| 013G8014 | 1/2" | | Angle |
| 013G8019 | 3/4" | | |
| 013G8024 | 1" | | |
| 013G8031 | 1-1/4" | | |
| 013G8013 | 1/2" | | Side Mount |
| 013G8018 | 3/4" | | |
| 013G8023 | 1" | | |
| 013G8030 | 1-1/4" | | |
| Operators | | | |
| 013G8250 | Valve Operator, Valve Mounted Dial & Sensor | | |
| 013G8240 | Tamper Resistant Operator, Valve Mounted Dial & Sensor | | |
| 013G8252 | Valve Operator, Valve Mounted Dial w/ Remote Sensor | | |
| 013G8562 | Valve Operator, Remote Mounted Dial w/ Remote Sensor | | |


STRAIGHT THRU

SIDE MOUNT

ANGLE MOUNT

013G8252

013G8250

Electronic Temperature Controls

ARANGO

Features

- Digital display for simple and accurate setting
- Displays sensor temperature when not in program mode
- Features both heating & cooling modes

Specifications

- Switch Action: SPDT
- Sensor: Thermistor, 2" x 0.25" with 8' cable
- Enclosure: NEMA


ETC-111000

| Part # | Description | Stages | Volts | Temperature Set point Range |
|------------|-------------------------|--------|-------------|-----------------------------|
| ETC-111000 | ETC Temperature Control | 1 | 120-208-240 | -30° to 220°F |
| ETC-112000 | | | 24 | |
| ETC-211000 | | 2 | 120-208-240 | |
| ETC-212000 | | | 24 | |

Legend Valves **LEGEND**

| Part # | Description | Size |
|---------|---------------------|--------------------|
| 302-252 | Baseboard Tee | 1/2" x 1/8" x 1/2" |
| 302-253 | Baseboard Tee | 3/4" x 1/8" x 3/4" |
| 110-338 | Coin Keyed Air Vent | 1/8" |
| 110-340 | Air Vent Key | — |


302-252

110-338

110-340

Mini Flow Switch

Dwyer

| Part # | Description |
|--------|---|
| V10 | V10 Flotect Mini-Size Flow Switches are designed to provide inexpensive, reliable monitoring of the presence or absence of flow in a system. For pipelines from 1/2 to 2" diameter. |


V10

Flashshield "CSST"

| Part # | Description | Size | Length |
|------------|--------------------|--------|--------|
| FSP-8-50 | FlashShield Tubing | 1/2" | 50' |
| FSP-8-250 | | 1/2" | 250' |
| FSP-11-50 | | 3/4" | 50' |
| FSP-11-250 | | 3/4" | 250' |
| FSP-16-150 | | 1" | 150' |
| FS-20-150 | | 1-1/4" | 150' |
| FS-24-150 | | 1-1/2" | 150' |
| FS-32-150 | | 2" | 150' |



Gastite **requires** technicians to be certified to install FlashShield CSST. You can get your certification online - or ask us about upcoming training!



FS-16-150

AVAILABLE BY THE FOOT!

Gastite Fittings (Backward Compatible)

| Part # | Description | Size |
|-----------|-----------------------------------|--------|
| XR3FTG-8 | FlashShield Straight Male Fitting | 1/2" |
| XR3FTG-11 | | 3/4" |
| XR3FTG-16 | | 1" |
| XR3FTG-20 | | 1-1/4" |
| XR3TRM-8 | FlashShield Termination Fitting | 1/2" |
| XR3TRM-11 | | 3/4" |
| XR3TRM-16 | | 1" |
| XR3TRM-20 | | 1-1/4" |



XR3FTG-8



XR3TRM-8

Multi-Port "Cast" Manifolds

| Part # | Description | Inlet Conn. | Branch Conn. | Outlet Conn. |
|--------------|-----------------|-------------|-------------------------|--------------|
| 3-PORTMAN | 3-Port Manifold | 3/4" F | (3) 1/2" F | 1/2" F |
| 4-PORTMAN-10 | 4-Port Manifold | 3/4" F | (4) 1/2" F | 1/2" F |
| 5-PORTMAN | 5-Port Manifold | 3/4" F | (1) 3/4" F x (4) 1/2" F | 1/2" F |
| 5-PORTMAN-1 | 5-Port Manifold | 1" F | (1) 3/4" F x (4) 1/2" F | 3/4" F |
| 5-PORTMAN-2 | 5-Port Manifold | 1-1/4" F | (5) 3/4" F | 1" F |

Manifold Bracket

| | |
|-------------|---|
| MBRACE-1-10 | Manifold Bracket Kit - Fits all Manifolds |
|-------------|---|



MANIFOLDS

Jacket Stripping Tools

| Part # | Description | Size |
|-------------|--------------------------------|-------------|
| STRP4-8-11 | Jacket Stripper - Double Sided | 1/2" & 3/4" |
| STRP4-16-20 | Jacket Stripper - Double Sided | 1" & 1-1/4" |
| STRP3-24 | Jacket Stripper | 1-1/2" |



STRP4-8-11

Underground Gas Pipings

| Part # | Description |
|--|--|
| PE-12-250 | 3/4" Underground Tubing (250') |
| PE-12-500 | 3/4" Underground Tubing (500') |
| PE-16-250 IPS | 1" Underground Tubing (250') |
| PE-20-250 | 1-1/4" Underground Tubing (250') |
| Don't Forget you must 'Chamfer' this tubing | |
| RISER8-30 | 1/2" x 30" Vertical Riser |
| RISER12-30 | 3/4" x 30" Vertical Riser |
| RISER16-30 IPS | 1" x 30" Vertical Riser |
| RISER-20-30 | 1-1/4" x 30" Vertical Riser |
| XR108-36 | 1/2" x 36" Flex Riser |
| XR108-72 | 1/2" x 72" Flex Riser |
| XR17C12-36 | 3/4" x 36" Flex Riser |
| XR17C12-72 | 3/4" x 72" Flex Riser |
| XR21J16-36 | 1" X 36" Flex Riser |
| RBRACE-1 | Bracket for 'all' Risers |
| TWIRE | Gastite Yellow Tracer Wire - 500' |
| MAG-TAPE | Magnetic Tape 2"x1000' - For Tracer Wire |
| CHTOOL-8-16 | Chamfer Tool (1/2" CTS & 1" CTS) |
| CHTOOL-12-16 IPS | Chamfer Tool (3/4" IPS & 1" IPS) |

Gastite



PE8-250

AVAILABLE BY THE FOOT!



TWIRE



CHTOOL-8-16



RISER-8-30



RBRACE-1

Get the Gastite App!

It's the easiest way to make sure you are sizing your CSST correctly!



| Sizing Calculator | | | | | |
|-------------------|------------------|-----------------|---------------|-----------------------|------------------|
| GAS TYPE | CSST LENGTH (FT) | SUPPLY PRESSURE | PRESSURE DROP | FLOW (SCFH @ 1000 FT) | CSST SIZE (INCH) |
| Natural | 50 | 2 PSI | 1 PSI | 554 | 3/4" |
| Propane | 50 | 5 PSI | 1 PSI | 199 | 3/4" |



Gastite
The System is the Solution™



Gas Connectors



| Part # | Description | Fitting Size | Length |
|--------------|--|--------------|--------|
| G303-3132-18 | Stainless Steel Flex Connector | 1/2" NPT | 18" |
| G303-3132-24 | Stainless Steel Flex Connector | 1/2" NPT | 24" |
| G303-3132-36 | Stainless Steel Flex Connector | 1/2" NPT | 36" |
| G303-3132-48 | Stainless Steel Flex Connector | 1/2" NPT | 48" |
| G400-4142-36 | Good for: 255,000 BTU - Nat Gas 409,400 BTU - L.P. Gas | 3/4" NPT | 36" |
| G103-2131-18 | Fireplace Flex | 3/8" NPT | 18" |
| G103-2131-24 | Fireplace Flex | 3/8" NPT | 24" |
| 50-5152-24 | Good for over 580,000 BTU | 1" NPT | 24" |

| Part # | Description | Fitting Size | Length |
|------------|---|--------------|--------|
| M7536 | Food Service Gas Connector | 3/4" NPT | 36" |
| M7548 | Food Service Gas Connector | 3/4" NPT | 48" |
| M7548K | Food Service Gas Connector Includes: Connector / Chain / Quick Connect | 3/4" NPT | 48" |
| QD75 | Food Service Gas Connector Quick Connect | 3/4" NPT | — |
| 51-5152-36 | Mobile Home Gas Connector | 1" F x 1" M | 36" |
| 51-5152-48 | Mobile Home Gas Connector | 1" F x 1" M | 48" |

Connector Minimum Flow Capacity - For Natural Gas

| Series | Nominal OD (in) | Nominal ID (in) | 12" | 18" | 24" | 30" | 36" | 48" | 60" | 72" |
|--|-----------------|-----------------|---------|---------|---------|---------|---------|---------|--------|--------|
| Straight Length Capacity - BTU per Hr 0.64 SG., 1000 BTU per Cu. Ft. at 0.5 inch Water Column (124 Pa) Pressure Drop | | | | | | | | | | |
| G103 | 3/8 | 1/4 | 48,000 | 43,800 | 40,000 | 36,400 | 33,400 | 28,300 | 24,900 | 23,100 |
| G203 | 1/2 | 3/8 | 102,000 | 93,100 | 85,000 | 77,100 | 71,100 | 60,500 | 53,200 | 49,100 |
| G303 | 5/8 | 1/2 | 180,000 | 164,200 | 150,000 | 136,000 | 125,000 | 106,000 | 93,200 | 86,000 |

Connector Minimum Flow Capacity - For Propane Gas

| Series | Nominal OD (in) | Nominal ID (in) | 12" | 18" | 24" | 30" | 36" | 48" | 60" | 72" |
|--|-----------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Straight Length Capacity - BTU per Hr 1.55 SG., 2500 BTU per Cu. Ft. at 0.5 inch Water Column (124 Pa) Pressure Drop | | | | | | | | | | |
| G103 | 3/8" | 1/4" | 76,800 | 70,080 | 64,000 | 58,240 | 53,440 | 45,280 | 39,840 | 36,960 |
| G203 | 1/2" | 3/8" | 163,200 | 148,960 | 136,000 | 123,360 | 113,760 | 96,800 | 85,120 | 78,560 |
| G303 | 5/8" | 1/2" | 288,000 | 262,720 | 240,000 | 217,600 | 200,000 | 169,600 | 149,120 | 137,600 |

Connector Minimum Flow Capacity - For Natural Gas

| Series | Nominal OD (in) | Nominal ID (in) | 24" | 30" | 36" | 48" | 60" | 72" |
|---|-----------------|-----------------|-----------|---------|-----------|-----------|---------|---------|
| Straight Length Capacity - BTU per Hr 0.64 SG., 1000 BTU per Cu. Ft. at 0.5 inch Water Column Pressure Drop | | | | | | | | |
| 40 | 1" | 3/4" | 290,900 | 270,500 | 255,900 | 215,000 | 197,400 | 173,900 |
| 50 | 1-1/4" | 1" | 581,800 | 545,200 | 515,900 | 442,700 | 398,900 | 347,800 |
| 60 | 1-1/2" | 1-1/4" | 1,470,000 | - | 1,200,000 | 1,130,000 | 960,000 | 930,000 |

Connector Minimum Flow Capacity - For Propane Gas

| Series | Nominal OD (in) | Nominal ID (in) | 24" | 30" | 36" | 48" | 60" | 72" |
|---|-----------------|-----------------|-----------|---------|-----------|-----------|-----------|-----------|
| Straight Length Capacity - BTU per Hr 1.55 SG., 2500 BTU per Cu. Ft. at 0.5 inch Water Column Pressure Drop | | | | | | | | |
| 40 | 1" | 3/4" | 465,440 | 432,800 | 409,440 | 344,000 | 315,840 | 278,240 |
| 50 | 1-1/4" | 1" | 930,880 | 872,320 | 825,440 | 708,320 | 638,240 | 556,480 |
| 60 | 1-1/2" | 1-1/4" | 2,352,000 | - | 1,920,000 | 1,808,000 | 1,536,000 | 1,488,000 |



Indoor Gas Ball Valve



| Part # | Description | Pressure Rating | Size |
|---------------------|---------------------------------------|-----------------|----------|
| 102-103 | Indoor Use - AGA Approved 2# Gas Cock | 125 PSI | 1/2" NPT |
| 102-104 | | | 3/4" NPT |
| For Indoor Use Only | | | |



102-104

Indoor/Outdoor Ball Valve - AGA Approved



| Part # | Size | Part # | Size |
|-----------|-------------------------|-----------|--------------|
| 101-023NL | 1/2" NPT | 101-043NL | 1/2" Sweat |
| 101-024NL | 3/4" NPT | 101-044NL | 3/4" Sweat |
| 101-025NL | 1" NPT | 101-045NL | 1" Sweat |
| 101-026NL | 1-1/4" NPT | 101-046NL | 1-1/4" Sweat |
| 101-027NL | 1-1/2" NPT | 101-047NL | 1-1/2" Sweat |
| 101-520NL | 1/8" Male x 1/8" Female | | |
| 101-521NL | 1/4" Male x 1/8" Female | | |



101-025NL



101-520NL

Pro Press Ball Valves



| Part # | Description | Size |
|-----------|----------------------------------|--------|
| 101-003NL | Full Port with Press Connections | 1/2" |
| 101-004NL | | 3/4" |
| 101-005NL | | 1" |
| 101-006NL | | 1-1/4" |



101-003NL

Boiler Drains



| Part # | Description | Size |
|-----------|---|------|
| 107-143NL | IP Boiler Drain Valve | 1/2" |
| 107-144NL | | 3/4" |
| 107-543NL | IP Boiler Drain Valve (1/4 Turn On/Off) | 1/2" |
| 107-544NL | | 3/4" |



107-144NL



107-544NL

Pipe Thread Sealant

Features

- Seals threads on all metals, PVC, CPVC, ABS, and nylon plastic pipe systems
- Adheres to oily threads

Features

- Non-hardening
- Slow drying
- Easy clean-up

| Part # | Description | Size |
|--------|-----------------------------|----------|
| 76011 | Blue Monster Thread Sealant | 1/2 Pint |
| 76015 | Blue Monster Thread Sealant | Pint |



BLUE MONSTER® Thread Sealant

N5 Series Gas Regulators w/ Vent Limiter



Features

- Multi-position installation
- Vent limiter option

Features

- Extended corrosion resistance
- Up to 15 PSIG operating pressure

| Part # | BTU Capacity | Pipe Size | Max Flow (SCFH) | Vent |
|--|-----------------|------------|------------------------|----------|
| 2# Inlet – 7" to 11" W.C. Spring Range | | | | |
| N5A-0500-S-VL0125 | up to 340,000 | 1/2" NPT | 358 @ 2# In, 7" Out | 1/8" NPT |
| N5A-0750-S-VL0125 | up to 340,000 | 3/4" NPT | | 1/8" NPT |
| N5B-0750-S-VL0375 | up to 1,013,000 | 3/4" NPT | 982 @ 2# In, 7" Out | 3/8" NPT |
| N5B-1000-S-VL0375 | up to 1,013,000 | 1" NPT | | 3/8" NPT |
| N5C-1250-S-VL0500 | up to 1,710,000 | 1-1/4" NPT | 1710 @ 2# In, 7" Out | 1/2" NPT |
| N5C-1500-S-VL0500 | up to 1,710,000 | 1-1/2" NPT | | 1/2" NPT |
| N5D-1500-S-VL0500 | up to 2,700,000 | 1-1/2" NPT | 2890 @ 2# In, 7" Out | 1/2" NPT |
| N5D-2000-S-VL0500 | up to 2,700,000 | 2" NPT | | 1/2" NPT |
| 15# Inlet – 12" to 14" W.C. Spring Range | | | | |
| N5AN-0500-Y-VL0125 | up to 340,000 | 1/2" NPT | 510 @ 10# In, 14" Out | 1/8" NPT |
| N5AN-0750-Y-VL0125 | up to 340,000 | 3/4" NPT | | 1/8" NPT |
| N5BN-0750-Y-VL0375 | up to 1,013,000 | 3/4" NPT | 2000 @ 10# In, 14" Out | 3/8" NPT |
| N5BN-1000-Y-VL0375 | up to 1,013,000 | 1" NPT | | 3/8" NPT |
| N5CN-1250-Y-VL0500 | up to 1,710,000 | 1-1/4" NPT | 3050 @ 10# In, 14" Out | 1/2" NPT |
| N5CN-1500-Y-VL0500 | up to 1,710,000 | 1-1/2" NPT | | 1/2" NPT |
| N5DN-1500-Y-V0500 | up to 2,700,000 | 1-1/2" NPT | 4710 @ 10# In, 14" Out | 1/2" NPT |
| N5DN-2000-Y-VL0500 | up to 2,700,000 | 2" NPT | | 1/2" NPT |



N5A



N5B



N5C



N5D

N5 OPD Series Gas Regulators



Features

- Multi-position installation
- Extended corrosion resistance

Features

- Dual stage regulation
- Vent limiter standard - vent cap option*

* Vent limited for indoor use **ONLY**, vent cap required for outdoor use

| Part # | Description | BTU Capacity | Pipe Size | Vent |
|---------------------------------------|---------------------------------|-----------------|-----------|----------|
| 2# Inlet - 7" to 11" WC Output | | | | |
| N5AOPD-0500-S | Regulator w/ OPD & Vent Limiter | up to 340,000 | 1/2" NPT | 1/8" NPT |
| N5BODP-0750-S | Regulator w/ OPD & Vent Limiter | up to 1,013,000 | 3/4" NPT | 3/8" NPT |



N5AOPD-0500-S



NGR02 Series Pressure Reducing Regulators

Features

- Vent limiter option
- Outlet pressures up to 5 PSIG

Features

- Internal relief - OPD
- Corrosion resistant exterior

| Part # | Description | BTU Capacity | Pipe Size | Vent | Orifice |
|--|---------------------------------|-----------------|-----------|--------|---------|
| 10# Inlet - Green Spring: 6.5" to 16" WC Output | | | | | |
| NGR02-BDA | Regulator w/ OPD & Vent Limiter | up to 1,039,000 | 3/4" NPT | 1" NPT | 1/2" |
| NGR02-CCA | | up to 1,039,000 | 1" NPT | 1" NPT | 3/8" |
| NGR02-CDA | | up to 1,039,000 | 1" NPT | 1" NPT | 1/2" |



NGR02-BDA

A popular choice
for gas generator
applications

Regulator Springs

For use with N5 Series Gas Regulators

| Part # | Description | For Use With | Output |
|------------|-------------------------|--------------|--------------|
| N5A-ORANGE | Orange Regulator Spring | N5A | 3" to 13" WC |
| N5B-ORANGE | | N5B | 3" to 13" WC |
| N5C-ORANGE | | N5C | 3" to 13" WC |
| N5D-ORANGE | | N5D | 3" to 13" WC |



N5A-ORANGE

Accessories

For use with N5 Series Gas Regulators

| Part # | Description | For Use With | Pipe Size |
|--------|------------------------|--------------|-----------|
| VC0125 | Regulator Vent Cap | N5A | 1/8" NPT |
| VC0375 | | N5B | 3/8" NPT |
| VC0500 | | N5C | 1/2" NPT |
| VE0125 | Regulator Vent Elbow | N5A | 1/8" NPT |
| VE0375 | | N5B | 3/8" NPT |
| VE0500 | | N5C | 1/2" NPT |
| NGR-VL | Regulator Vent Limiter | N5B | 1" NPT |



VENT CAP

VENT LIMITER

VENT ELBOW

Advanced Metering and Regulating Solutions

Your trusted source for industry-leading solutions for both gas and water





We've trusted Maxitrol for years—but when you stack it up against Norgas, the difference is clear. With superior features, competitive pricing, and proven performance, **Norgas gives contractors more reasons to make the switch.**

| Model # | PIPE SIZE | CFH BASED ON 2 PSI INLET & 7" OUTLET | VERTICAL MOUNT? (ADD ELBOW) | INCLUDES VENT LIMITER? |
|-------------------|-----------|---|-----------------------------------|---------------------------|
| N5A-0500-S-VL0125 | 1/2" | 358 | ✓ | ✓ |
| Maxitrol 325-3L | 1/2" | 220 | — | ✓ |
| N5A-0750-S-VL0125 | 3/4" | 358 | ✓ | ✓ |
| Maxitrol 325-5L | 3/4" | 530 | — | ✓ |
| N5B-0750-S-VL0375 | 3/4" | 982 | ✓ | ✓ |
| Maxitrol 325-5L | 3/4" | 530 | — | ✓ |
| N5B-1000-S-VL0375 | 1" | 982 | ✓ | ✓ |
| Maxitrol 325-5L | 1" | 530 | — | ✓ |
| N5C-1250-S-VL0500 | 1-1/4" | 1,710 | ✓ | ✓ |
| Maxitrol 325-7AL | 1-1/4" | 1,500 | — | Available Separately |
| N5C-1500-S-VL0500 | 1-1/2" | 1,710 | ✓ | ✓ |
| Maxitrol 325-7AL | 1-1/2" | 1,500 | — | Available Separately |
| N5D-1500-S-VL0500 | 1-1/2" | 2,890 | ✓ | ✓ |
| Maxitrol 325-9L | 1-1/2" | 2,570 | — | Available Separately |
| N5D-2000-S-VL0500 | 2" | 2,890 | ✓ | ✓ |
| Maxitrol 325-9L | 2" | 2,570 | — | Available Separately |

RHI Pro Tip

The N5 Series gas regulator is a certified CSA self-operating regulator with vent limiting option for us in residential or commercial applications. It's able to be mounted horizontal or vertical (when optional elbow is installed). It has an epoxy coated aluminum for extended corrosion resistance.

Regulator Ratings

All Norgas N5 Series are rated up to 10# Inlet when used with vent limiter.

Without the vent limiter installed they are rated up to 15# Inlet.

All Maxitrol 325 Series are rated up to 10# Inlet either way.

325 Series Line Regulators

MAXITROL

10 PSI Inlet Pressure - 4" to 12" Spring Range

| Part # | Description | Pipe Size | Spring Range | Inlet Pressure | Single Appliance | Multiple Appliances |
|--------|---------------------------|-----------------|--------------|----------------|------------------|---------------------|
| 325-3 | Regulator w/ Vent Limiter | 1/2" | 4" to 12" | 10 PSI | 100,000 | 150,000 |
| 325-5 | | 3/4" & 1/2" | | | 325,000 | 325,000 |
| 325-7A | Regulator** | 1-1/4" & 1-1/2" | | | 1,250,000 | 1,250,000 |
| 325-9 | | 1-1/2" & 2" | | | 2,250,000 | 2,250,000 |



325-SERIES

****Vent Limited is not included with 325-7A & 325-9. See below for optional Vent Limiter.**

325L Series Line Regulators

MAXITROL

Certified to 2 PSI Inlet Pressure - 7" to 11" Spring Range

| Part # | Description | Pipe Size | Spring Range | Inlet Pressure | Single Appliance | Multiple Appliances |
|---------|---------------------------|-----------------|--------------|--------------------|------------------|---------------------|
| 325-3L | Regulator w/ Vent Limiter | 1/2" | 7" to 11" | Certified to 2 PSI | 140,000 | 250,000 |
| 325-5L | | 3/4" | | | 425,000 | 600,000 |
| 325-5L | | 1" | | | 425,000 | 600,000 |
| 325-7AL | Regulator** | 1-1/4" & 1-1/2" | | | 1,250,000 | 1,250,000 |
| 325-9L | | 1-1/2" & 2" | | | 2,250,000 | 2,250,000 |



325L-SERIES

****Vent Limited is not included with 325-7AL & 325-9L. See below for optional Vent Limiter.**

Vent Protectors

MAXITROL

Designed for outdoor applications. Use on vent opening to protect breather hole from rain, snow, dust, insects, and other foreign particles.

NOTE: Vent Protector MUST be mounted in an upright position.

| Part # | Description | Size |
|--------|-------------------|------------------|
| 13A15 | Outdoor Protector | 1/8" NPT (325-3) |
| 13A155 | | 3/8" NPT (325-5) |



13A15

RHI Pro Tip

Make sure the vent limiter is removed when installing outside!



Regulator Weather Cap/Covers

MAXITROL

| Part # | Description | For Use With |
|--------|----------------|------------------------------|
| CAP-3 | Maxi-Cap Cover | Fits Completely Over a 325-3 |
| CAP-5 | | Fits Completely Over a 325-5 |
| CAP-7 | | Fits Over a 325-7 Vent |



CAP-3

LP Regulators

| Part # | Inlet Conn. | Outlet Conn. | BTU | Inlet Press. | Outlet Press. | Mounting Plate |
|---|-------------|--------------|-----------|--------------|---------------|----------------|
| First Stage LP Regulators (Mounted At The Tank) | | | | | | |
| 984HP04 | 1/4" | 1/2" | 1,000,000 | TANK | 10 PSI | P100L |
| 988HP05 | FPOL | 1/2" | 2,100,000 | TANK | 8-12 PSI | P100L |
| Second Stage LP Regulators (Mounted At The Building) | | | | | | |
| 998LP22 | 1/2" | 1/2" | 1,000,000 | 10 PSI | 9-13" w.c. | P100L |
| 998LP02 | 3/4" | 3/4" | 1,400,000 | 10 PSI | 9-13" w.c. | P100L |
| 998LP04 | 3/4" | 3/4" Back | 1,000,000 | 10 PSI | 9-13" w.c. | P100L |
| Dielectric Union - Second Stage LP Regulators (Mounted At The Building) | | | | | | |
| 998LP40 | 1/2" | 1/2" | 1,000,000 | 10 PSI | 9-13" w.c. | P100L |
| 998LP32 | 3/4" | 3/4" | 1,400,000 | 10 PSI | 9-13" w.c. | P100L |
| 998LP34 | 3/4" | 3/4" Back | 1,000,000 | 10 PSI | 9-13" w.c. | P100L |
| Integral Two-Stage LP (Mounted At The Tank) | | | | | | |
| 988TW15 | 1/4" | 1/2" | 450,000 | TANK | 9.5-13" w.c. | — |
| 988TW17 | FPOL | 1/2" | 750,000 | TANK | 9-13" w.c. | — |
| 2 PSIG Service Regulator LP (Mounted At The Building) | | | | | | |
| 998TP08 | 1/2" | 1/2" | 1,250,000 | 10 PSI | 1-2.2 PSI | — |
| Dielectric Union - 2 PSIG Service Regulator LP (Mounted At The Building) | | | | | | |
| 998TP38 | 1/2" | 1/2" | 1,460,000 | 10 PSI | 1-2.2 PSI | P100L |

Kosan LINE



984HP04



998LP22



998TP08

Accessories

| Part # | Description | Fittings | Tube OD | Length |
|-----------|----------------------------|----------------|---------|--------|
| P100L | Universal Mounting Bracket | — | — | — |
| ME1669-12 | Copper Pigtail | POL x 1/4" IPS | 1/4" | 12" |
| ME1689-12 | | | 3/8" | 12" |
| ME1680-12 | | POL x POL | 3/8" | 12" |
| ME1680-20 | | | 3/8" | 20" |

Kosan LINE



P100L

ME1669-12

Sensus Regulators Lock-up w/ Internal Relief Valves

| Part # | Size | Orifice | Capacity |
|---------------|--------|---------|-----------|
| 143-80-2 | 3/4" | 1/2" | 580,000 |
| 143-80-2 | 1" | | 880,000 |
| 143-80-2 | 1-1/4" | | 1,020,000 |
| 243-12-2 1.25 | 1-1/2" | 3/4" | 2,600,000 |
| 243-12-2 2 | 2" | | 3,200,000 |

sensus



143-80-2

Pressure Snubber

| Part # | Description | Connection |
|--------|--|------------|
| 872-1 | In-Line Pressure Snubber (Steady Readings) | 1/4" NPT |


872-1


Low Diaphragm Pressure Gauge

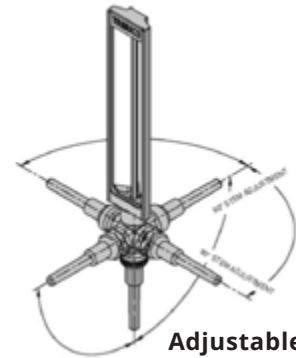
| Part # | Description | Connection | Dial | Max Inch / Water |
|---------------|---|----------------|------|--------------------|
| 760B2502LT6XX | 760B Water Column Gauge (Reads Inches) | 1/4" NPT Lower | 2.5" | 5", 15", 30", 100" |
| PLP1620X | PLP Water Column Gauge (Reads Inches) | 1/4" NPT Lower | 2.5" | 15", 60" |


760B2502LT6XX

PLP1620X


Adjustable Angle Aluminum Thermometer

| Part # | Scale | Stem | Temp. Range |
|-----------|-------|------|----------------|
| BX9140301 | 9" | 3.5" | -40 to +110 °F |
| BX9140307 | | | +30 to +110 °F |


BX9140301

Adjustable Angle Thermometers

Adjustable Angle Solar Digital Thermometer

| Part # | Scale | Stem | Display | Temp. Range |
|-----------|-------|------|------------------|----------------|
| SX9140305 | 7" | 3.5" | 9/16" LCD Digits | -40 to +300 °F |


SX9140305

Pressure / Temperature Gauges

| Part # | Connection | Extension | Dial Size | MFR | Temp. Range | Pressure Range |
|----------|----------------|-------------------|-----------|----------|---------------|----------------|
| PTC14001 | 1/4" NPT Rear | 1.65" | 2.5" | Tterice | 30°F to 250°F | 0 to 75 PSI |
| PTC14201 | 1/4" NPT Rear | 1.65" w/ .63" Lag | 2.5" | | | |
| PTC14401 | 1/2" NPT Lower | 2" | 3" | | | |
| PTC14601 | 1/2" NPT Rear | 2" | 3" | Tterice | 30°F to 250°F | 0 to 200 PSI |
| PTC14605 | 1/2" NPT Rear | 2" | 3" | | | |
| 1711015 | 1/4" Lower | 3-1/8" | 3-1/4" | Wal-Rich | 70°F to 250°F | 0 to 55 PSI |



Liquid Filled Gauges



| Part # | Connection | Dial | Max Pressure (PSI) |
|-----------------|----------------------|------|--|
| D82LFB2502BA30 | 1/4" MPT Center Back | 2.5" | 30 |
| D82LFB2502LAXXX | 1/4" MPT Lower | 2.5" | 15, 30, 60, 100, 160, 200, 300, 400, 600 |

Pressure Gauges



| Part # | Connection | Dial | Max Pressure (PSI) |
|---------------|-----------------|------|--------------------|
| 800B2502LAXXX | 1/4" NPT Bottom | 2.5" | 60, 160, 200, 300 |
| 800B4002LAXXX | 1/4" NPT Bottom | 4" | 30, 60, 100, 200 |

SYSTEM FEEDER



MF200



- ▲ Adjustable pressure set point between 10-25psi
- ▲ Fluid level switch shuts the pump off if the storage tank level gets too low
- ▲ Tilted 4" fill opening
- ▲ 6.0 USG reservoir tank stores suitable replacement fluid to automatically maintain system pressure
- ▲ Translucent reservoir tank with molded-in fluid gauge provides leak detection
- ▲ Minimizes flood damage if there is a system leak by having a limited amount of make-up fluid.
- ▲ Fluid drained for service is easily pumped back into the system
- ▲ UL listed power supply plugs into any standard 115 VAC outlet

DMF150



- ▲ Simple, user-friendly digital control
- ▲ Adjustable pressure set point between 0-45 psi
- ▲ Digital control has an alarm contact output and LED warning indicator
- ▲ Tilted 4" easy-fill access located at the front of the tank
- ▲ 4.5 USG reservoir tank stores suitable replacement fluid to automatically maintain system pressure
- ▲ Translucent reservoir tank with molded-in fluid gauge provides leak detection
- ▲ Minimizes flood damage if there is a system leak by having a limited amount of make-up fluid.
- ▲ Fluid drained for service is easily pumped back into the system
- ▲ UL listed power supply plugs into any standard 115 VAC outlet
- ▲ Comes with a wall bracket

Axiom system feeders are designed to simplify the process of maintaining the cold static fluid pressure in closed-loop heating and cooling systems. Having a reservoir of suitable make-up fluid eliminates the need for backflow prevention and helps solve many of the associated problems when using domestic water as a make-up fluid.



DMF150 Digital Screen

RHI Pro Tip

Some contractors use these to fill their hydronic jobs with properly mixed water and glycol. Others install the system feeder and leave it as part of the system if they don't have access to good water for a pressure reducing valve!



PressurePal

Hydronic Mini System Feeder

| Part # | Description | Pressure |
|--------|---------------------|-------------|
| MF200 | Mini Feeder | 10 - 25 PSI |
| DMF150 | Digital Mini Feeder | 0 - 45 PSI |



Fernox Treatments

Description

F1 Protector - Market Leading Inhibitor, Balances pH - Up or Down!

F3 Central Cleaner - Removes Sludge, Scale, and Debris

F4 Leak Sealer - Seals Small Leaks and Weeps That Drop Pressure

CENTRAL HEATING PROTECTOR F1 EXPRESS

- Quick and convenient – doses in 30 seconds
- Simple to use with no mess
- Add via a radiator adapter or filling loop supplied
- Protects against corrosion and limescale
- Non-toxic, environmentally friendly formulation
- Maintains system efficiency and extends boiler life
- Suitable for use with all metals and materials including aluminium

CENTRAL HEATING CLEANER F3 EXPRESS

- Quick, convenient and simple to use – doses in 30 seconds
- Added via a radiator adapter or filling loop supplied
- 100% recyclable can
- Compatible with all metals and materials including aluminium
- Removes sludge and scale and restores heating efficiency
- Removes flux residues and other debris
- pH Neutral, non-hazardous and environmentally formulation



Now Available in Commercial Size

How many gallons do I need for my job?

5 Gallons of any one of these products treats approximately 34 Gallons.

Fernox Clean Up Solutions



| Part # | Description |
|--------|---|
| F62310 | Fernox Filter Fluid+ in the Express Can |
| F60003 | Fernox TF1-1" NPT Magnetic Filter |

Filter Fluid+ Protector

30 SECONDS DOSING WITH FERNOX EXPRESS

DESIGNED TO WORK WITH ANY SYSTEM FILTER

LIFTS & DELIVERS CORROSION, SLUDGE AND DEBRIS TO A SYSTEM FILTER

PROVEN EFFECTIVENESS OF PROTECTOR F1



What is Filter Fluid+ Protector?

An innovative and unique product which combines the trusted Protector F1 formulation with an active dispersant that detects and delivers system contaminants to a filter.

- Protects the system against corrosion and scale formation
- Designed to be used with all system filter types
- Perfect partner to the TF1 filter range

What are the key benefits?

Filter Fluid+ Protector continuously purges contaminants from the system whilst preventing the formation of further corrosion and limescale.

- On-going protection of vulnerable and vital system components
- Achieves and maintains optimum system efficiency
- Reduces time spent on-site with easy installation, dosing and maintenance
- Increases the effectiveness of an in-line system filter
- Maximises the cleaning process by delivering any remaining system debris to a filter
- Filter Fluid+ Protector Express can be dosed into the system via any TF1 filter in less than 30 seconds

When should you use it?

Filter Fluid+ Protector should only be used with systems that have a filter installed.

- Ideal for lightly sludged systems when powerflushing may not be required
- In systems where design or flow rates prevent the removal of all debris during the cleaning process
- Suitable for heating systems, which are difficult to clean by conventional flushing
- When no water treatment has previously been used at the time of commissioning the system or installation of the boiler

TF1 RANGE

- Award-winning in-line system filters
- When combined with Filter Fluid+ Protector optimum efficiency levels and extended system longevity can be achieved
- Removes both magnetic and non-magnetic debris
- Simple to install, maintain and service



07160001-12

Diagnostic Water Test

Central Heating System Water Analysis Made Easy

Features

- Tests for 18 water quality criteria, including testing of antifreeze
- Track & monitor status of tests via smartphone app

Features

- Receive results within 48 hours of receipt of sample
- Paid-for postage envelope included



| Part # | Description |
|--------|--|
| 62499 | App-based diagnostic postal laboratory test for central heating system water |

How Does the Diagnostic Water Test Work?

1. Download the Fernox Water Test App (available on iOS or Android)
2. Register your contact information to receive sign-on credentials for the app
3. Fill one sample bottle with the on-site water source. Fill the second sample bottle with central heating system water.
4. Scan the QR code on the central heating sample bottle and complete all mandatory fields in the Fernox Water Test App.
5. Mail both bottles in to be analysed
6. Sample is analysed, usually available within 48 hours of sample being received. Results will be e-mailed to you or viewed in the Fernox Water Test App or online portal.

Questions? Give Us A Call!

Flow-Aide Tankless Water Heater Descaler Kit



| Part # | Description |
|-----------|-------------------------------------|
| FLOW-KIT* | System Descaler Kit |
| W1 | Flow Aide System Descaler, 1 Gallon |
| W32 | Flow Aide System Descaler, 1 Quart |
| 501 | Replacement Hose |
| EZ-725 | Replacement Pump |



FLOW-KIT

*Includes

- (1) 3.5 Gallon Bucket
- (2) 5' Rubber Hoses
- (1) 725 GPH Pump
- (1) Qt. FLOW-AIDE™

Haymaker Tankless Water Heater Descaler

HERCULES

| Part # | Description |
|--------|---|
| 35235* | Complete Haymaker Descaler Kit |
| 35230 | 6-pack of 32 oz Hercules Haymaker bottles |



35235

*Includes

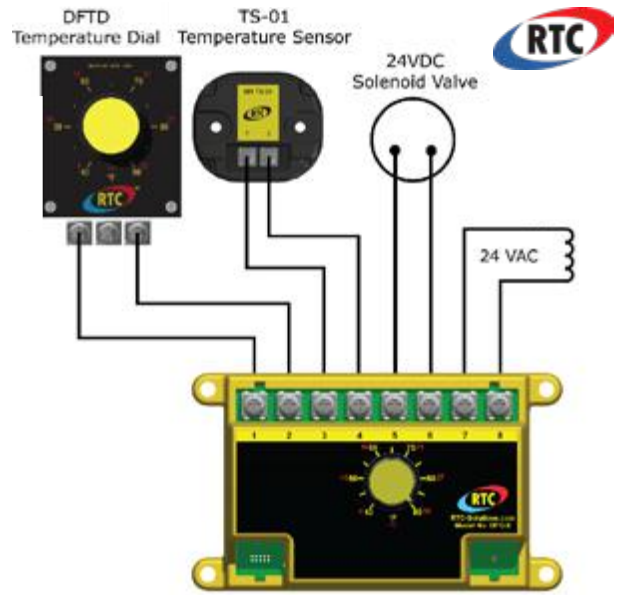
- (1) 3.5 Gallon Pail
- (1) 32 oz. HAYMAKER Solution
- (2) 5' Hoses with 3/4" NPT Fittings
- (1) Electric Pump with 25' Power Cord

LOCAL HVAC/R SUPPLY HELPING YOU GET THE JOB DONE.



RTC Solutions Make Up Air Controls

The RTC Solutions direct fired digital temperature control is a microprocessor based control that utilizes an intelligent PID software algorithm to modulate gas flow to a burner in direct fired make up air applications. The closed loop system contains three components including the temp sensor (TS-01), the direct fired control (DFC-X), and the direct fired temperature dial (DFTD). The system compares the discharge temperature of the heating unit to the set point dial 40 times per second insuring accurate and repeatable temperature control. The software provides smooth output control eliminating excessive swings observed with older analogue systems. A 10 second start up delay is standard, and an on-board LED indicates simple diagnostics.



| Part # | Description |
|----------|--|
| DFC-X | Direct Fired Temp Control: 24V Input / 0-24 VDC Mod Output, Footprint is Industry Standard - Easy Retrofit! (Replaces DFC-1 and DFC-2) |
| TS-01 | Temp Sensor: 40 F - 250 F, Footprint is Industry Standard - Easy Retrofit! |
| DFTD | Direct Fired Temperature Selection Dial: 5 ranges available (40-90, 80-130, 120-170, 160-210, 200-250 F), Footprint is Industry Standard - Easy Retrofit!! |
| DF01-DPK | Complete retrofit kit - DFC-X, TS-01, AND DFTD with instructions!! |



RHI Pro Tip

These are getting more popular all the time and they are coming on some new equipment. The DF01-DPK can be used to replace some Maxitrol systems at half the cost!

Replaces: A1014R, A1014, A1014L, A1014L1, A1014U, A1044L, A1044, AD1014, A1094, AM01

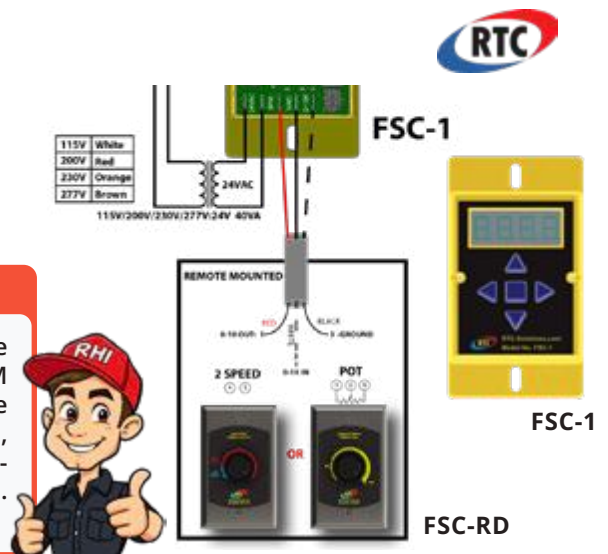


RTC Solutions - EC Motor Control

| Part # | Description |
|--------|---|
| FSC-1 | Programmable High and Low Speed limits, uses remote potentiometer, 2 speed switch or 0-10 VDC |
| FSC-RD | Remote Dial for FSC-1, use as two speed switch or variable speed dial |

RHI Pro Tip

The FSC-1 is a digital EC motor control. The control has a simple five button interface with a four digit LED display. There are two ECM connectors with modulating outputs, one 0-10VDC output, and one 0-10V DC input. The FSC-1 is compatible with Telco Green, Genteq, Nidec, Chikee and U.S. motors. User parameters are stored in non-volatile memory, and are retained even during a power outage. The FSC-1 is powered by 24V AC.



NeutraPal Condensate Neutralizer

For Condensing Boilers and Furnaces Operating on Natural Gas or Propane.

Features

- Prevents acidic condensate from corroding drains and sewer systems.
- Fast and easy installation, includes piping and connection hardware.

Features

- Includes initial charge of LipHter+ neutralizing agent, with additional recharge kits available for purchase.
- Can be mounted horizontal or vertical.



NM1BULK

| Part # | Description | BTU | Gal/Hr |
|-----------------------------|--|---------|--------|
| NC-1* | NeutraPal Condensate Neutralizer Full Kit | 400,000 | 1.6 |
| NM-1 | Replacement Media (Recharge Kit) - 3 lbs. | — | — |
| NM1BULK | Replacement Media (Recharge Kit) - 35 lbs. | — | — |
| Larger sizes are available! | | | |

*Includes

- (2) NC Series O Rings for Canister
- (2) NC Series Unions
- (1) NC Series Y Connector - Nylon
- (3) 3/4" NPT to 1/2" Hose Barb Fittings
- (6) Hose Clamps
- (1) 10ft of 1/2" Vinyl Tubing
- (2) Base/Wall Mounting Clamps



The 'NeutraPal' is ideal for neutralizing condensate from condensing boilers and furnaces operating on natural gas or propane.

The condensate is acidic and has the potential to harm the environment and the sewer system. The NeutraPal will raise the pH of the condensate to a more neutral level before it is discharged to drain.



Introducing:



PH Treat Acidic Condensate Neutralizer



| Part # | Description |
|---------|---|
| 4720-06 | In-Line Condensate Neutralizer, Disposable, Vertical Installation |
| 4720-10 | In-Line Condensate Neutralizer with Replaceable Media, Offset inlet and Outlet Allow for Vertical or Horizontal Installations |
| 4720-11 | Replacement Media for 4720-10 |
| 4720-12 | Condensate Pump with Condensate Neutralizer Fill Tank. Perfect For Those Applications That Require Neutralization Without A Drain Close By! |
| 4720-13 | Replacement Media for 4720-12 |



4720-12



4720-06



4720-10



RHI Advantage

With all of these options - you can neutralize condensate with ease!

Condensate Pumps

Little GIANT

| Part # | Description | Volts | HP | GPH @ 1' | Safety Switch | Shutoff |
|------------------|---|-------|------|----------|---------------|---------|
| VCMA15UL | 15' Head Pump | 115 | 1/50 | 65 | — | 15' |
| VCMA15ULS | 15' Head Pump with Aux. Shut Off | 115 | | | ✓ | |
| VCCA20ULS | Low Profile Pump - 20' Head w/ aux. shut off | 115 | 1/30 | 80 | ✓ | 20' |
| VCMA20ULS (115V) | 20' Head Pump w/ aux. Shut Off | 115 | | | ✓ | |
| VCMA20ULS (230V) | 20' Head Pump w/ aux. Shut Off | 230 | | | ✓ | |
| VCMX20UL | NXTGen Pump - 20' Head | 115 | | | — | |
| VCMX20ULS | NXTGen Pump - 20' Head w/ aux. shut off | 115 | | | ✓ | |
| VCCA20P | NXTGen Plenum Rated Head Pump - Low Profile Pump | 115 | | | ✓ | |

Transfer Pumps

Little GIANT

| Part # | Description | Volts | HP |
|--------|--|-------|------|
| 360 | Pony Pump - Non-Submersible - Self-Priming Transfer Pump | 115 | 1/10 |
| UPSP-5 | Portable Utility Transfer Pump - In-line Self-Priming | 115 | 1/2 |



Aspen 'Mini White' Silent+ Condensate Pump



Features

- Fits any mini split up to 54,000 BTU
- Reversible position on the left or right

Features

- Capacitance technology for soft start and variable flow rate

| Part # | Volts | Max Head | Capacity |
|--------|---------|----------|------------------------------------|
| 83930 | 120-250 | 33' | 12 GPH @ 0' Head, 6 GPH @ 33' Head |



Diversitech Condensate Pumps



| Part # | Description |
|---------|--|
| CP-22S | Indicator Lights, Aux Shut-off, Chemical Adder Feature |
| IQP-120 | Indicator Lights, Aux Shut-off, Chemical Adder Feature |



Heavy Duty 'PVC' Braided Tubing



| Part # | Inside Diameter | Length |
|------------|-----------------|--------|
| 14-BRAIDED | 1/4" | 50' |
| 38-BRAIDED | 3/8" | |
| 12-BRAIDED | 1/2" | |
| 58-BRAIDED | 5/8" | |
| 34-BRAIDED | 3/4" | |
| 78-BRAIDED | 7/8" | |
| 1-BRAIDED | 1" | |



Braided is the most popular option, but we also stock clear vinyl too!

Sealants

| Part # | Description | Color | Max Temp. | Size |
|--------|--------------------------------------|----------------|-----------|---------|
| 31500 | 100% Silicone 312 | Clear | 400°F | 10.3 oz |
| 31501 | | White | | |
| 31502 | | Black | | |
| 31503 | | Aluminum | | |
| 37610 | 100% Silicone - High Temp. | Red | 500°F | 10.3 oz |
| 32620 | | Red | | 3 oz |
| 12501 | Multi-Seal 125 | White | 200°F | 10.1 oz |
| 12502 | | Black | | |
| 12503 | | Gray | | |
| 12513 | | Aluminum | | |
| 12515 | | Medium Bronze | | |
| 12520 | | Special Bronze | | |
| 12521 | | Brown | | |
| 12522 | | Translucent | | |
| 32608 | High Temp. Silicone - Aerosol | Red | 500°F | 8 oz |



Caulking Guns

| Part # | Description |
|--------|--|
| CG10 | Utility Caulk Gun |
| CG18 | Versatile, Easy Dispensing - 12:1 Thrust Ratio |



Expanding Foam

| Part # | Description | Size |
|--------|--|--------|
| 33316 | Triple Expanding Foam | 12 oz. |
| 33320 | Triple Expanding Foam - Genius Can | 12 oz. |
| 33420 | Minimum Expanding Foam - Genius Can | 12 oz. |
| 35003 | Fire Retardant Duct Seal - Gray - UL 723 | 11 oz. |
| 81612 | FireStop Sealant - Red - UL1479 | 11 oz. |



Sealing Compounds



| Part # | Description |
|--------|---|
| 1003 | Bramec Thum Gum - 1 lb |
| 1004 | Bramec Thum Gum - 2 lbs |
| 1006 | Bramec Cork Insulation Tape - 1/8" x 2" x 30' |
| 1007 | Bramec Foam Tape - 1/8" x 2" x 30' |
| 8127 | DuroDyne Pressure Sensitive Gasketing - Great between the Furnace and Coil |


1004

8127

Polyken Tape - Duct and Foil



| Part # | Description |
|-----------------|---|
| 229B | 2" Black Duct Tape |
| 229G | 2" Grey Duct Tape |
| 444B | Black Lineset Tape - UV resistant |
| 444W | White Lineset Tape - UV resistant |
| 337-2 | 2" Foil Tape |
| 339 | 3" Foil Tape |
| 555B | 2" Flex Duct Tape (UL818B) |
| 335FT | 3" Flue Pipe Tape (Rated to 450F) |
| 334CRT-A | Walk-in Cooler Repair Tape - Aluminium |
| 334CRT-W | Walk-in Cooler Repair Tape - White |
| 934V-TPPR605002 | ProTape Seal from Aeroflex Split Insulation, 2" x 82' |


229B

334CRT-A

444W

339

Towels

| Part # | Description | Quantity |
|---------|--|----------|
| 5-05790 | WypAll 'Plus' Disposable Towels | 100 |
| 5-34790 | WypAll 'Teri' Reinforced Towels | 126 |
| 79024 | Mars Blue Cloth Huck Towels (5 lbs) | 30 - 35 |
| 4162-01 | Dragon Towels - you won't be disappointed! | 100 |


79024

4162-01

5-34790


Wire Nuts *In Convenient Jars!*



| Part # | Color | Range | Size | Quantity |
|-----------|--------------------|-----------|------|----------|
| CJ-WCB | Blue | #22 - #14 | 2 | 100 |
| CJ-WCO | Orange | #22 - #14 | 3 | 100 |
| CJ-WCY | Yellow | #22 - #10 | 4 | 100 |
| CJ-WCR | Red | #22 - #10 | 5 | 50 |
| WC13648 | Assorted Wing Nuts | #22 - #8 | — | 25 |
| MA04233-2 | Tan | #22 - #8 | — | 120 |



These wire nuts come in jars with a screw tight lid.

Less Mess In Your Truck!

Electrical Terminals



| Part # | Color | Description | AWG Range | Tab | Stud | Quantity |
|-----------|--------|------------------------------|-----------|-------------|------|----------|
| MA02521-1 | Blue | Ins. Butt Splice Connector | #16 - #14 | — | — | 20 |
| MA02522-1 | Yellow | | #12 - #10 | — | — | 15 |
| MA02586-1 | Red | Ins. Quick Disconnect | #22 - #18 | .250 Female | — | 20 |
| MA02588-1 | Blue | | #16 - #14 | .250 Female | — | 20 |
| MA02598-2 | Blue | | #16 - #14 | .250 Female | — | 100 |
| MA02589-1 | Yellow | | #12 - #10 | .250 Female | — | 15 |
| MA02526-1 | Blue | | #16 - #14 | .250 Male | — | 20 |
| MA02544-1 | Blue | Ins. Spades | #16 - #14 | — | #8 | 20 |
| MA02541-1 | Blue | | #16 - #14 | — | #10 | 20 |
| MA02537-1 | Blue | Ins. Rings | #16 - #14 | — | #8 | 20 |
| MA02530-1 | Yellow | | #12 - #10 | — | #10 | 15 |
| MA02595-1 | — | 2 Male x 1 Female Flat Disc. | — | .250 | — | 15 |
| MA02903-1 | — | | — | .250 | — | 15 |



MA02522-1



MA02598-2



MA02541-1



MA02537-1

Electrical Terminal Kits



| Part # | Description | Count |
|-----------|-------------------------------|-------|
| MA02652-2 | 18 Types - Plastic Case | 175 |
| MA02653-2 | 21 Types - Premium Metal Case | 210 |



MA02652-2

Electrical Tape



| Part # | Color | Width | Length |
|------------|--------|-------|--------|
| 13945 (3M) | Black | 3/4" | 66' |
| MC-C6435B | Blue | | 60' |
| MC-C6435G | Gray | | |
| MC-C6435O | Orange | | |
| MC-C6435R | Red | | |
| MC-C6435W | White | | |
| MC-C6435Y | Yellow | | |

Gorilla Duct Tape



| Part # | Color | Length |
|--------|-------|--------|
| 60035 | Black | 35y |
| 60250 | White | 30y |



MC-C6435



60035

Fuses



| Part # | Length | Amps | Diameter | Volts |
|------------------------|--------|------|----------|-------|
| Cartridge Style | | | | |
| ECNR-5 | 2" | 5 | 0.56" | 250 |
| ECNR-10 | 2" | 10 | 0.56" | 250 |
| ECNR-25 | 8.63" | 25 | 2.38" | 250 |
| ECNR-30 | 8.5" | 30 | 2.35" | 250 |
| ECNR-40 | 8.63" | 40 | 2.38" | 250 |
| ECNR-50 | 10.38" | 50 | 2.88" | 250 |
| ECNR-60 | 10.38" | 60 | 2.88" | 250 |
| Plug Style | | | | |
| S-10 | 1.25" | 10 | 1.16" | 125 |
| S-20 | 2" | 20 | 2" | 125 |
| S-30 | 2" | 30 | 2" | 125 |
| T-10 | 2" | 10 | 0.56" | 250 |
| T-15 | 2" | 15 | 1.25" | 125 |
| T-20 | 2.25" | 20 | 2" | 125 |
| T-30 | 2" | 30 | 2" | 125 |

| Part # | Length | Amps | Diam. | Volts |
|---------------------------|--------|------|-------|-------|
| Automotive / Blade | | | | |
| ATC-3 | 1.63" | 3 | 0.38" | 32 |
| ATC-5 | 1.63" | 5 | 0.38" | 32 |
| Mini Automotive | | | | |
| ATM-3 | 1.38" | 3 | 0.44" | 32 |
| ATM-5 | 1.38" | 5 | 0.44" | 32 |
| Glass | | | | |
| AGC-1 | 1.25" | 1 | 0.25 | 250 |
| AGC-2 | 1.25" | 2 | 0.25 | 250 |
| AGC-3 | 1.25" | 3 | 0.25 | 250 |
| AGC-5 | 1.25" | 5 | 0.25 | 250 |



Fuse Holders



| Part # | Description |
|--------|-------------------------|
| 15218 | In-line AGC Fuse Holder |
| 19837 | In-line ATC Fuse Holder |

Resettable Fuse Testers

| Part # | Style | Amps |
|--------|------------|------|
| POP3 | Lil Popper | 3 |
| POP5 | | 5 |
| BRK3 | Blade | 3 |
| BRK5 | | 5 |



Other Handy Items

| Part # | Description |
|-------------|------------------------------|
| FF75 | The Ole' Switcheroo |
| ZT10 | Z-Tool - 1/4" & 5/16" |
| PE44 | Pin Extractor |
| NT02 | N-Take Alternate Intake Air |
| TLMAG1 | Compact (De)Magnetizer |
| MWT-PBSET01 | Pookie Buster - 1/4" & 5/16" |



White Thermostat Wire Reels

-GENESIS-

| Part # | Description | Conductor Size | Number of Conductors | Length |
|--------|-----------------|----------------|----------------------|--------|
| 18-2WH | Thermostat Wire | 18 AWG | 2 | 500' |
| 18-3WH | | | 3 | |
| 18-4WH | | | 4 | |
| 18-5WH | | | 5 | |
| 18-6WH | | | 6 | |
| 18-8WH | | | 8 | |



18-5WH

AVAILABLE BY THE FOOT!

Plenum Rated Stranded Reels

-GENESIS-

| Part # | Description | Conductor Size | Number of Conductors | Length |
|--------|------------------------|----------------|----------------------|--------|
| 18-2PL | Plenum Thermostat Wire | 18 AWG | 2 | 500' |
| 18-3PL | | | 3 | |
| 18-6PL | | | 6 | |
| 18-8PL | | | 8 | |



18-2PL

AVAILABLE BY THE FOOT!

Shielded Plenum Rated Stranded Reels

-GENESIS-

| Part # | Description | Conductor Size | Number of Conductors | Length |
|----------|---------------------------------|----------------|----------------------|--------|
| 18-2SHPL | Shielded Plenum Thermostat Wire | 18 AWG | 2 | 500' |
| 18-3SHPL | | | 3 | 500' |
| 18-5SHPL | | | 5 | 250' |



18-2SHPL

AVAILABLE BY THE FOOT!

Mini Split Cable

-GENESIS-

| Part # | Conductor Size | Number of Conductors | Length |
|----------|----------------|----------------------|--------|
| 10703908 | 14 AWG | 4 | 50' |
| 10700108 | | | 250' |



RHI Pro Tip

This 14-4 wire is rated for Sunlight, Direct Burial, and is perfect for mini splits!

Test Leads

| Part # | Description |
|-----------|---|
| MA02991-3 | 36" Heavy Duty Test Leads (Jumpers) Qt 2 (Red / Black) |
| MA05031-2 | 18" Low Volts Test Leads (Jumpers) Qt 10 (Multiple Colors) |



MA-05031-2

Mag-Jumper

The Magnetic Jumper

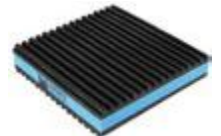


| Part # | Description |
|------------|---|
| MAG JUMPER | Magnetic - NO CLIPS - Jumper (Black, Green, Blue, Red, or Yellow) |



Anti-Vibration and Mountings

| Part # | Description |
|--------------|---|
| MP-18C | Diversitech 18" x 18" x 7/8" Cork / Rubber Pad |
| MP-18 | Diversitech 18" x 18" x 3/8" Rubber Pad |
| MP-2E | Diversitech 2" x 2" Pad with Blue Composite Center |
| MP-4C | Diversitech 4" x 4" Cork / Rubber Pad |
| MP-4E | Diversitech 4" x 4" Pad with Blue Composite Center |
| MP-6E | Diversitech 6" x 6" Pad with Blue Composite Center |
| CBN1S-PG | Cush-A-Block Roof Support 'Strut' Style (4-7/8" Tall) |
| R18X18SW | Super "W" Rubber Pad 18" x 18" x 3/4" |
| SK18X18 | Cork / Rubber "Super 'K' Pad" |
| ND-A-RED | Mason Double Deflection Neoprene Mount - 60-125# |
| HD-A-RED | Mason Double Deflection Neoprene Hanger - 60-125# |
| SLFH-A-45 | Mason Deflection, Spring Mounts w/ Base Plate - 45# |
| SLFH-A-125 | Mason Deflection, Spring Mounts w/ Base Plate - 125# |
| RL4 | Mason Machine Levelling Mounts |
| AVHM-50 | Vimco Anti-Vibration Hanger Mount |
| ECRMP-181834 | Vimco Rubber 'Waffle' Pad 18" x 18" x 3/4" |


MP-18C

MP-4E

CBN1S-PG

R18X18SW

HD-A-RED

AVHM-50

Hydra-Zorbs



| Part # | Outer Diameter |
|-----------|----------------|
| CLAMP3/8 | 3/8" |
| CLAMP1/2 | 1/2" |
| CLAMP5/8 | 5/8" |
| CLAMP3/4 | 3/4" |
| CLAMP7/8 | 7/8" |
| CLAMP11/8 | 1-1/8" |
| CLAMP13/8 | 1 3/8" |
| CLAMP15/8 | 1 5/8" |
| CLAMP21/8 | 2 1/8" |
| CLAMP25/8 | 2 5/8" |
| CLAMP31/8 | 3 1/8" |

Available in 50 and 100 lot quantities - the more you buy, the more you save!



Klosure (1/2" Wall)



| Part # | Outer Diameter |
|--------|----------------|
| 724037 | 3/8 |
| 724050 | 1/2 |
| 724062 | 5/8 |
| 724075 | 3/4 |
| 724087 | 7/8 |
| 724112 | 1-1/8 |
| 724137 | 1 3/8 |
| 724162 | 1 5/8 |
| 724212 | 2 1/8 |
| 724642 | 2 5/8 |

RHI Advantage

RHI also carries deep and shallow strut, threaded rod, and mounting accessories - like the Bronco Saddle!



GET PAID

FOR YOUR

RECLAIMED

REFRIGERANT

— No Fees No Hassles!

----- CALL YOUR LOCAL RHI FOR MORE DETAILS -----



How it Works

1. Bring your recovered refrigerant to any RHI location
2. Exchange your tank for a certified, clean tank (in vacuum)
3. Receive credit when reclaim center processes your refrigerant
4. No fees, no hassles - just payment for your recovered refrigerant

Why Choose RHI?

- ✓ Available at ALL RHI Locations
- ✓ FREE tank exchange - over the counter or delivered to your area *(if available in your area)*
- ✓ Multiple tank sizes available: 30#, 50#, 125# (1,000# upon request)
- ✓ No fees for mixed refrigerants
- ✓ A2L tanks available (30# & 50#) with required safety features
- ✓ Complete recordkeeping of all your reclaimed refrigerant
- ✓ Always up-to-date DOT certified tanks

Reclaim Made **Easy.**



How to Calculate Safe Fill Weight



Example:

- TW (empty tank) = **28.1** lbs
- WC (water capacity) = **47.7** lbs
- 80% of WC = **47.7** x 0.8 = **38.2** lbs
- **28.1** + **38.2** = **66.3** lbs Safe Fill Weight

1. Find two numbers printed on your tank:
 - TW = Tare Weight (empty tank weight)
 - WC = Water Capacity (maximum water the tank can hold)
2. Calculate Your Maximum safe fill weight in 3 simple steps
 - Multiply WC by 0.8 (this give you 80% capacity)
 - Add this number to the TW
 - The result is your maximum safe fill weight



Caution: Unsafe Refrigerant Tanks

Caution: Unsafe Refrigerant Tanks

Identifying Illegal DOT Tanks

We've identified unsafe refrigerant tanks circulating in the market that do not meet safety standards:

Warning Signs

- Lacks proper Weight Compliance (WC) and Tare Weight (TW) stampings
- Not designed to handle required pressure ratings
- Potentially dangerous for refrigerant handling

Our Commitment to Safety

If you encounter an unsafe or non-approved tank, we will:

- Exchange it FREE OF CHARGE
- Help you maintain safe work practices
- Protect your team from potential equipment failures



Protect Your Team. Verify Your Tanks.

?? Questions? Want To Learn More?

Contact Your Local RHI Today!

Baxter • Bismarck • Fargo • Minot • Grand Forks • Alexandria

WE ARE YOUR

REFRIGERATION HEADQUARTERS



- R-290 Propane Refrigerant
- A2L Refrigerants & Parts Available
- R-290 Gauges
- Refrigerant - **Sold by the Pound!**
- Special Quotes with PPD Freight for any refrigerant

Available Refrigerants

- | | | | | |
|-----------|-----------|-----------|----------|----------|
| • R-12* | • R-402A* | • R-408A* | • R-422B | • R-453A |
| • R-134A | • R-402B* | • R-409A* | • R-434A | • R-502* |
| • R-22* | • R-404A | • R-410A | • R-437A | • R-507 |
| • R-290 | • R-407A | • R-416A* | • R-438A | • R-600 |
| • R-401A* | • R-407C | • R-417C | • R-448A | • R-454B |
| • R-401B* | • R-407F | • R-422A | • R-449A | • R-32 |

*No Longer Manufactured - Available in Limited Quantities

RHI's Commercial Department

As the leading supplier of HVAC, refrigeration equipment, building controls, and all other unique solutions in our area- RHI Supply has a centralized Commercial Quoting Team readily available to assist HVAC mechanical contractors with projects of all sizes. With over 90 years of industry experience our commercial department can offer the solution for your project!

Controls:

- CO/NO₂ Detection Systems
- Refrigerant Leak Detection
- Building Automation
- Commercial Zoning
- Dampers and Louver Sizing and Quoting
- VFD Application and Selection
- Start-up and Commissioning Services

Equipment:

- Rooftops, Roof Curbs, Air Handlers, Condensing Units
- Make Up Air and Hoods
- Unit Heaters (Electric, Gas, Hydronic)
- Exhaust / Supply Fan Sizing
- Boilers (Electric, Gas, Oil, Modulating Condensing)
- VRV / VRF Systems

System Design:

- Refrigeration Sizing and Quoting
- Floor Heat Design and Quoting
- Plan and Spec
- Flame Safeguard / Burner Boiler Controls
- Ventilation
- Smokers - Design and Control

They have handled some unique situations:

- Converted a cement culvert into a walk-in cooler
- Helped create a climate controlled habitat for bees
- Converted a old system designed in the 1970s to a modern solar powered system
- Snow melt for a remote helicopter landing pad
- Nuclear medicine facility with radiation with negative pressure
- Cold weather testing, drive in for up to very large commercial vehicles
- Seed and Tree storage climate facility for off season

We can solve your controls challenges!

| System Size | | Field Replacement | | | |
|--------------------------------------|----------------|----------------------|----------------------|-----------------------------|----------------------|
| Tons | Line Size (OD) | AIR CONDITIONING | | REFRIGERATION | |
| | | R-12 & R-134A | R-22, R-407C, R-410A | R-12, R-134A, R-404A, R-507 | R-22 |
| LIQUID LINE QUICK SELECTION | | | | | |
| Sealed Type - Specify Flare or Sweat | | | | | |
| 1/4 - 1/3 | Cap Tube 1/4" | C-032-CAPT C-032(-S) | C-032-CAPT C-032(-S) | C-032-CAPT C-032(-S) | C-032-CAPT C-032(-S) |
| 1/2 - 1 | 1/4" | C-052(-S) | C-052(-S) | C-082(-S) | C-082(-S) |
| | 5/16" | C-0525(-S) | C-0525(-S) | C-0825(-S) | C-0825(-S) |
| | 3/8" | C-053(S) | C-053(S) | C-083(-S) | C-083(-S) |
| 1-1/2 - 2 1/2 | 5/16" | C-0825(-S) | C-0825(-S) | C-1625(-S) | C-1625(-S) |
| | 3/8" | C-083(-S) | C-083(-S) | C-163(-S) | C-163(-S) |
| | 1/2" | C-084(-S) | C-084(-S) | C-164(-S) | C-164(-S) |
| 3 - 6 | 3/8" | C-163(-S) | C-163(-S) | C-303(-S) | C-303(-S) |
| | 1/2" | C-164(-S) | C-164(-S) | C-304(-S) | C-304(-S) |
| | 5/8" | C-165(-S) | C-165(-S) | C-305(-S) | C-305(-S) |
| 7 - 9 | 1/2" | C-304(-S) | C-304(-S) | C-414(-S) | C-414(-S) |
| | 5/8" | C-305(-S) | C-305(-S) | C-415(-S) | C-415(-S) |
| | 7/8" | C-307(-S) | C-307(-S) | C-417-S | C-417-S |
| 10 - 12 | 1/2" | - | C-414(-S) | - | C-414(-S) |
| | 5/8" | C-415(-S) | C-415(-S) | C-415(-S) | C-415(-S) |
| | 7/8" | C-417-S | C-417-S | C-417-S | C-417-S |
| | 1-1/8" | C-419-S | C-419-S | C-419-S | C-419-S |
| 13 - 18 | 5/8" | - | C-415(-S) | - | C-415(-S) |
| | 7/8" | C-607-S | C-607-S | C-607-S | C-607-S |
| | 1-1/8" | C-609-S | C-609-S | C-609-S | C-609-S |
| SUCTION LINE QUICK SELECTION | | | | | |
| Sealed Type - Sweat | | | | | |
| 1/4 - 1/3 | 3/8" | C-083-S-T-HH | C-083-S-T-HH | C-163-S-T-HH | C-163-S-T-HH |
| | 1/2" | C-164-S-T-HH | C-164-S-T-HH | C-164-S-T-HH | C-164-S-T-HH |
| 1/2 - 1 | 1/2" | C-164-S-T-HH | C-164-S-T-HH | - | - |
| | 5/8" | C-165-S-T-HH | C-165-S-T-HH | C-305-S-T-HH | C-305-S-T-HH |
| | 3/4" | C-166-S-T-HH | C-166-S-T-HH | C-306-S-T-HH | C-306-S-T-HH |
| | 7/8" | - | C-167-S-T-HH | C-307-S-T-HH | C-307-S-T-HH |
| 1-1/2 - 2 1/2 | 5/8" | C-305-S-T-HH | C-305-S-T-HH | C-305-S-T-HH | C-305-S-T-HH |
| | 3/4" | C-306-S-T-HH | C-306-S-T-HH | C-306-S-T-HH | C-306-S-T-HH |
| | 7/8" | C-307-S-T-HH | C-307-S-T-HH | C-307-S-T-HH | C-307-S-T-HH |
| | 1-1/8" | C-309-S-T-HH | C-309-S-T-HH | C-309-S-T-HH | C-309-S-T-HH |
| 3 - 4 | 3/4" | — | C-306-S-T-HH | - | - |
| | 7/8" | | C-307-S-T-HH | C-437-S-T-HH | C-307-S-T-HH |
| | 1-1/8" | | C-309-S-T-HH | C-439-S-T-HH | C-309-S-T-HH |
| | 1-3/8" | | - | C-4311-S-T-HH | C-4311-S-T-HH |
| 5 - 6 | 7/8" | C-437-S-T-HH | C-307-S-T-HH | - | C-437-S-T-HH |
| | 1-1/8" | C-439-S-T-HH | C-309-S-T-HH | - | C-439-S-T-HH |
| | 1-3/8" | C-4311-S-T-HH | C-4311-S-T-HH | - | C-4311-S-T-HH |
| | 1-5/8" | C-4313-S-T-HH | C-4313-S-T-HH | - | C-4313-S-T-HH |

Catch-All and Filter Driers



| Part # | Connection Type | Cubic Inch Filter | Connection Size |
|------------|--------------------------------|-------------------|-----------------|
| C-032-CAPT | Solder x Cap Tube | 3" | 1/4" |
| C-032-FM | F x M Flare | | 1/4" |
| C-032 | Male x Male Flare | | 1/4" |
| C-033 | | | 3/8" |
| C-052 | | 5" | 1/4" |
| C-053 | | | 3/8" |
| C-082 | | 8" | 1/4" |
| C-083 | | | 3/8" |
| C-084 | | | 1/2" |
| C-162 | | 16" | 1/4" |
| C-163 | | | 3/8" |
| C-164 | | | 1/2" |
| C-165 | | | 5/8" |
| C-303 | | 30" | 3/8" |
| C-304 | | | 1/2" |
| C-305 | | | 5/8" |
| C-414 | | 41" | 1/2" |
| C-415 | | | 5/8" |

| Part # | Connection Size | Connection Type | Cubic Inch Filter |
|----------|-----------------|-----------------|-------------------|
| C-032-S | Solder | 3" | 1/4" |
| C-033-S | | | 3/8" |
| C-052-S | | 5" | 1/4" |
| C-053-S | | | 3/8" |
| C-082-S | | 8" | 1/4" |
| C-0825-S | | | 5/16" |
| C-084-S | | 16" | 1/2" |
| C-162S | | | 1/4" |
| C-163-S | | | 3/8" |
| C-164-S | | | 1/2" |
| C-165-S | | 30" | 5/8" |
| C-303-S | | | 3/8" |
| C-304-S | | | 1/2" |
| C-305-S | | | 5/8" |
| C-307-S | | 41" | 7/8" |
| C-414-S | | | 1/2" |
| C-415-S | | | 5/8" |
| C-417-S | | | 7/8" |



C-164S

RHI Pro Tip

POE oils hold more moisture than previous oils. Vacuum pumps have a hard time removing moisture from oils. Make sure you are changing the drier every time you open the system.

Use the chart on the previous page (137) for help with sizing



C-305S

Suction Line Filter Driers

| Part # | Connection Size | Connection Type | Cubic Inch Filter |
|---------------|-----------------|-----------------|-------------------|
| C-083-S-T-HH | 3/8" | Solder | 8" |
| C-084-S-T-HH | 1/2" | | |
| C-164-S-T-HH | 1/2" | | |
| C-165-S-T-HH | 5/8" | | |
| C-166-S-T-HH | 3/4" | | 16" |
| C-167-S-T-HH | 7/8" | | |
| C-305-S-T-HH | 5/8" | | |
| C-306-S-T-HH | 3/4" | | |
| C-307-S-T-HH | 7/8" | | 30" |
| C-309-S-T-HH | 1-1/8" | | |
| C-439-S-T-HH | 1-1/8" | | |
| C-4311-S-T-HH | 1-3/8" | | |
| C-4313-S-T-HH | 1-5/8" | | 43" |

Compact Suction Filters

| Part # | Connection Size | Connection Type | Cubic Inch Filter |
|---------------|-----------------|-----------------|-------------------|
| C-145-S-TT-HH | 5/8" | Solder | 14" |
| C-146-S-TT-HH | 3/4" | | |
| C-147-S-TT-HH | 7/8" | | |
| C-149-S-TT-HH | 1-1/8" | | |



C-146-S-TT-HH

'HH' Core Driers



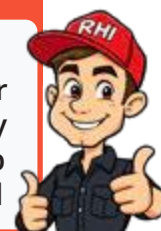
| Part # | Connection Size | Connection Type | Cubic Inch Filter |
|------------|-----------------|-----------------|-------------------|
| C-052-HH | 1/4" | M x M Flare | 5" |
| C-053-HH | 3/8" | | |
| C-082-HH | 1/4" | | |
| C-083-S-HH | 3/8" | Sweat | 8" |
| C-162-HH | 1/4" | Flare | 16" |
| C-163-HH | 3/8" | | |
| C-163-S-HH | 3/8" | Sweat | |
| C-164-HH | 1/2" | Flare | |
| C-164-S-HH | 1/2" | Sweat | |
| C-165-HH | 5/8" | Flare | 30" |
| C-303-HH | 3/8" | | |
| C-304-HH | 1/2" | | |



C-083-S-HH

RHI Pro Tip

"HH" driers are perfect for use after burnouts, especially when waxy build up needs to be treated



Reversible Heat Pump Driers



| Part # | Connection Size | Connection Type | Cubic Inch Filter |
|--------------|-----------------|-----------------|-------------------|
| HPC-163-HH | 3/8" | Flare | 16" |
| HPC-163-S-HH | | Sweat | |
| HPC-164-HH | 1/2" | Flare | |
| HPC-164-S-HH | | Sweat | |
| HPC-165-HH | 5/8" | Flare | 30" |
| HPC-165-S-HH | | Sweat | |
| HPC-307-HH | 7/8" | Flare | |



HPC-164-S-HH

Replaceable Cores



| Part # |
|---------------------------------|
| RCA-48 (Replaces the RC4864) |
| RC-4864-HH |
| RCW-48 |
| RCA-100 (Replaces the RC-10098) |
| RC-10098-HH |
| RPE48BD (Suction Felt) |



RC-4864-HH



REP48BD

Sight Glasses



| Part # | Connection |
|---------|------------------|
| SA-12S | 1/4" Sweat |
| SA-12FM | 1/4" Flare M x F |
| SA-13S | 3/8" Sweat |
| SA-13FM | 3/8" Flare M x F |
| SA-14S | 1/2" Sweat |
| SA-14FM | 1/2" Flare M x F |
| SA-15S | 5/8" Sweat |
| SA-15U | 5/8" Flare |
| SA-17S | 7/8" Sweat |
| SA-19S | 1-1/8" Sweat |



SA-12FM



SA-13S

Retro-Fit Clean Up Filter

Refrigerant Line Clean-Up Kit

Features

- Follows a lineset flush and removes debris not removed during the nitrogen purge
- Designed for permanent installation

Features

- Molded core for acid and water removal
- Eliminates particles down to three microns
- Uses patented "3 stage filtration" system

| Part # | Description |
|---------|--|
| SFD163S | Special Design '3 Stage' Filter/Drier 3/8" Sweat |



SFD163S

Cap Tube Filter/Drier

HH Style For Wax Removal

Features

- Ideal for systems with capillary tubes
- Designed to catch and prevent resin and wax build-up that reduce capacity and efficiency

Features

- Uses "3 stage filtration" to capture even the smallest of particles of solid debris
- Dual pressure taps allow easy pressure drop monitoring during clean-up

| Part # | Inlet | Outlet | Max Rated Pressure |
|-----------------|----------|----------------|--------------------|
| C-052-CAP-TT-HH | 1/4" ODF | Capillary Tube | 650 PSI / 44.8 BAR |



C-052-CAP-TT-HH

Oil-Line Filters

Features

- 99% efficient in removing 3 micron sized particles while still having sufficient flow capacity at a low pressure drop
- Uses replaceable OFE-1 oil filter element

Features

- Utilizes a refrigeration clamp or Sporlan A-175-1 mounting bracket for easy installation
- Can be mounted vertical or horizontal

| Part # | Description | Max Rated Pressure | Conn. Size | Addition Options |
|----------|--------------------------------|---------------------|----------------|--------------------------------|
| OF-303-T | Oil Filter with Access Fitting | 700 PSIG / 48.3 BAR | 3/8" SAE Flare | Includes 1/4" SAE Pressure Tap |



OF-303-T

Catch-All Reversible Heat Pump Filter Driers

For Small Heat Pumps

Features

- Compact design
- Operates in either flow direction with low pressure drop
- Internal flow check valves

Features

- Engineered for new systems and system clean-up for all commercially available HCFC and HFC refrigerant / lubricant combinations

| Part # | Description | Connection Size |
|----------|------------------|-----------------|
| HPC-082S | Reversible Drier | 1/4" ODS |
| HPC-083S | Reversible Drier | 3/8" ODS |



HPC-083S

ER Style TXVs



| Part # | Nom. Capacity | | Conn. Size | Equalizer Size | Refrigerant Type |
|----------------|---------------|-------------------|----------------------|----------------|-------------------------------|
| ERVE-3-GA | 3 ton | | 3/8" x 1/2" Sweat | 1/4" | R-22, R-407A, R-407C, R-22 |
| ERVE-4-GA | 4 ton | | | | |
| ERVE-5-GA | 5 ton | | | | |
| ERZE-3-GA | 3 ton | | 3/8" x 1/2" Sweat | 1/4" | R410A |
| ERZE-4-GA | 4 ton | | | | |
| ERZE-5-GA | 5 ton | | | | |
| ERYE-8.5-CP | 8.5 ton | 1/2" x 7/8" Sweat | | 1/4" | R-454B |
| ERYE-11-1/2-CP | 11.5 ton | 5/8" x 7/8" Sweat | | | |
| ERYE-15.5-CP | 15.5 ton | | | | |

ER Style TXVs are Bi-Directional (They Meter Both Ways)
Ideal for GEO Self Contained Heat Pumps and Air Conditioning



ERVE-3-GA

RC Style TXVs



| Part # | Nom. Capacity | Conn. Size | Equalizer Size | Refrigerant Type |
|-----------|---------------|-------------------|----------------|-------------------------|
| RCVE-3-GA | 3 ton | 3/8" x 1/2" Sweat | 1/4" | R-22, R-407A, R-407C |
| RCVE-4-GA | 4 ton | 1/2" x 1/2" Sweat | | |
| RCVE-5-GA | 5 ton | | | |
| RCZE-3-GA | 3 ton | 3/8" x 1/2" Sweat | 1/4" | R-410A |
| RCZE-4-GA | 4 ton | 1/2" x 1/2" Sweat | | |
| RCZE-5-GA | 5 ton | 1/2" x 5/8" Sweat | | |

RC Style TXVs have an Internal Check Valve (They Meter One Way)
Ideal for Reverse Flow Split Heat Pumps



RCVE-3-GA

O Style TXVs

| Part # | Nom. Capacity | Connection Size | Equalizer Size | Refrigerant Type |
|-----------|---------------|-----------------------|----------------|------------------|
| OYE-25-CP | 25 Ton | 7/8" x 1-1/8" Sweat | 1/4" | R-454B |
| OYE-35-CP | 35 Ton | 1-1/8" x 1-3/8" Sweat | | |
| OYE-55-CP | 55 Ton | | | |



OYE-25-CP

Universal Ice Machine TXV Kits

Orifice Selection Table

| Part # | Description |
|----------|--|
| 068U4900 | Up to 3/4 Ton - Includes Orifices 1, 3, and 5 |
| 068U4901 | 3/4 to 2-1/4 Ton - Includes Orifices 5, 7, and 8 |



68U4900

RHI Pro Tip

Includes a TUA TXV with interchangeable orifices to replace most OEM valves. Covers 75 - 2,300 lb ice machines and comes with fittings, bulb strap, and insulation tape for quick installs.

| FLAKER / NUGGET | | CUBER | |
|-----------------|--------------|-----------------|--------------|
| Lbs of Ice / HR | Orifice Size | Lbs of Ice / HR | Orifice Size |
| 75 - 200 | 1 | 75 - 200 | 1 |
| 201 - 500 | 3 | 201 - 500 | 3 |
| 501 - 950 | 5 | 501 - 950 | 5 |
| 951 - 1650 | 7 | 951 - 1650 | 7 |
| 1651 - 2300 | 8 | 1651 - 2300 | 8 |

Acid Test Kit

Features

- Quick and easy on-site testing
- For use with mineral, AB, POE, or PVE

Features

- Inexpensive way to assess acidic conditions

| Part # | Description |
|--------|-----------------------|
| TA-1 | Sporlan Acid Test Kit |



TA-1



Smart Service Tool Kit

Features

- Wireless temperature sensor clamp
- Measures pressures and temperatures and wirelessly displays directly on your mobile device via free app
- Monitor, record and export data as a spreadsheet

Features

- Wireless low- and high-pressure sensors replace traditional manifold gauges
- Automatically calculates superheat and subcooling

| Part # | Description |
|--------|--------------------------------|
| 953495 | Sporlan Smart Service Tool Kit |



953495



Sporlan EEV Diagnostic Tool

Features

- Troubleshoot any of Sporlan's electronic stepper motors
- Uses (2) 9V batteries

Features

- Valve actuator w/ CPC pigtail EEV diagnostic tool

| Part # | Description |
|--------|---|
| SMA-12 | 12 VDC Bipolar/Unipolar Step Motor Actuator |
| 953193 | Sporlan 2.5mm Pigtail for SMA12 |



SMA-12



Build your own TXV Valve Kit

Features

- Available in Flare, Sweat, or Both!
- Now with new, more robust cases

| Part # | Description |
|-----------------|----------------------------------|
| Q-KIT (168069) | Conventional - Flare/Solder |
| BQ-KIT (168393) | Balanced Port TXV - Flare/Solder |

**** See the next couple of pages for more info on building TXVs ****



Q-KIT



BQ-KIT



P/N 168069

Q BODY

(1) 3/8 x 1/2 SAE

QE BODY

(1) 3/8 x 1/2 x 1/4 SAE

SQ BODY

(1) 3/8 x 1/2 ODF

SQE BODY

(1) 3/8 x 1/2 x 1/4 ODF

ELEMENTS

(2) KT-43-JC-5'

(1) KT-43-VC-5'

(1) KT-43-VZ-5'

(1) KT-43-SZ-5'

(1) KT-43-SZP-5'

Q CARTRIDGE SERVICE KIT



P/N 168393

BQ BODY

(1) 3/8 x 1/2 SAE

BQE BODY

(1) 3/8 x 1/2 x 1/4 SAE

SBQ BODY

(1) 3/8 x 1/2 ODF

SBQE BODY

(1) 3/8 x 1/2 x 1/4 ODF

ELEMENTS

(2) KT-43-JC-5'

(1) KT-43-VC-5'

(1) KT-43-VZ-5'

(1) KT-43-SZ-5'

(1) KT-43-SZP-5'

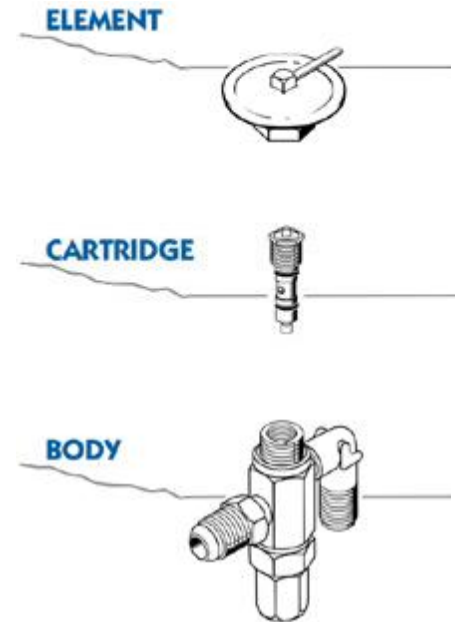
BQ CARTRIDGE SERVICE KIT



Q-Kit Valves



| Bodies | |
|---|--|
| Conventional | Body Style |
| Q Body | Flare - 1/4 x 1/2, 3/8 x 1/2 |
| QE Body | Flare - 1/4 x 1/2, 3/8 x 1/2 w/ 1/4" Equalizer |
| EQ Body | Sweat ~3/8 x 1/2 - Straight |
| EQE Body | Sweat ~3/8 x 1/2 - Straight w/ 1/4" Equalizer |
| SQ Body | Sweat ~3/8 x 1/2 |
| SQE Body | Sweat ~3/8 x 1/2 w/ 1/4" Equalizer |
| Balanced Port | Body Style |
| BQ Body | Flare - 1/4 x 1/2, 3/8 x 1/2 |
| BQE Body | Flare - 1/4 x 1/2, 3/8 x 1/2 w/ 1/4" Equalizer |
| EBQ Body | Sweat ~3/8 x 1/2 - Straight |
| EBQE Body | Sweat ~3/8 x 1/2 - Straight w/ 1/4" Equalizer |
| SBQ Body | Sweat ~3/8 x 1/2 |
| SBQE Body | Sweat ~3/8 x 1/2 w/ 1/4" Equalizer |
| Pick your Cartridge based on capacity | |
| Cartridge - **See Capacity Chart on the Next Page (144)** | |
| QC-() | Cartridge / Port Size 0, 1, 2, 3, 4, 5, 6 |
| BQC-() | Cartridge / Port Size AAA, AA, A, B, C |
| Element - **See Selection Chart on Next Page (144)** | |
| KT43-() | With a 5 Foot Element |



TXV Capacity = TXV Rating x CF Liquid Temp x CF Pressure Drop

Example: Actual Capacity of a normal 2 Ton R-22 Type S valve: 20°F evap, 100 PSI pressure drop, and 90°F liquid temperature entering the TXV = 2.18 (from rating chart) x 1.06 (CF liquid temp) x 0.89 (CF pressure drop) = 2.06 tons

| EVAP TEMP (°F) | Pressure Drop Across TXV (PSI) | | | | | | | | | | | |
|-------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| | 30 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 |
| | Correction Factor, CF Pressure Drop | | | | | | | | | | | |
| 40° | 0.55 | 0.71 | 0.87 | 1.00 | 1.12 | 1.22 | 1.32 | 1.41 | 1.50 | 1.58 | 1.66 | 1.73 |
| 20° & 0° | 0.49 | 0.63 | 0.77 | 0.89 | 1.00 | 1.10 | 1.18 | 1.26 | 1.34 | 1.41 | 1.48 | 1.55 |
| -10° & -20° | 0.45 | 0.58 | 0.71 | 0.82 | 0.91 | 1.00 | 1.08 | 1.15 | 1.22 | 1.29 | 1.35 | 1.41 |
| -40° | 0.41 | 0.53 | 0.65 | 0.76 | 0.85 | 0.93 | 1.00 | 1.07 | 1.13 | 1.20 | 1.25 | 1.31 |

| Refrigerant Type | Liquid Temperature Entering TXV (°F) | | | | | | | | | | | | | | |
|---------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° |
| | Correction Factor, CF Liquid Temperature | | | | | | | | | | | | | | |
| R-22 | 1.56 | 1.51 | 1.45 | 1.4 | 1.34 | 1.29 | 1.23 | 1.17 | 1.12 | 1.06 | 1.00 | 0.94 | 0.88 | 0.82 | 0.76 |
| R-404A | 2.04 | 1.94 | 1.84 | 1.74 | 1.64 | 1.54 | 1.43 | 1.33 | 1.22 | 1.11 | 1.00 | 0.89 | 0.77 | 0.65 | 0.53 |



Q SERIES Interchangeable Cartridge Style TEVs

Q Conventional Port TEVs

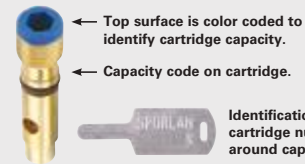
BQ Balanced Port TEVs

SPORLAN

1 BODY

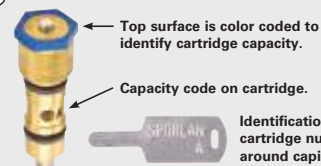


2 CARTRIDGE



Identification tag with cartridge number (bends around capillary tubing).

| NOMINAL CAPACITY (Tons) of the Valve to be REPLACED | | | | | Q VALVE CARTRIDGE | |
|---|-----------------|----------------|--------------|-----------------|-------------------|------------|
| R-22 / R-422D | R-134a / R-513A | R-404A / R-507 | R-407A / C/F | R-448A / R-449A | SIZE | COLOR CODE |
| 1/4 | 1/8 | 1/8 | 1/4 | 1/4 | 0 | RED |
| 1/3 | 1/6 | 1/6 | 1/3 | 1/3 | 1 | YELLOW |
| 1/2 or 3/4 | 1/4 | 1/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1 | GREEN |
| 1 | 1/2 | 1/2 | 1 | 1 | 2 | BLUE |
| 1-1/2 | 1 | 1 | 1-1/2 | 1-1/2 | 3 | PINK |
| 2 or 2-1/2 | 1-1/2 | 1-1/2 | 2 or 2-1/2 | 2 or 2-1/2 | 4 | BLACK |
| 3 | 2 | 2 | 3 | 3 | 5 | WHITE |
| 4 or 5 | 2-1/2 or 3 | 3 | 4 or 5 | 4 or 5 | 6 | |

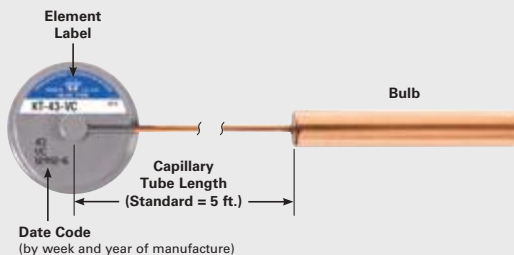


Identification tag with cartridge number (bends around capillary tubing).

| NOMINAL CAPACITY (Tons) of the Valve to be REPLACED | | | | | | BQ VALVE CARTRIDGE | |
|---|------------------|---------------|------------------|--------------|------------------|--------------------|------------|
| R-22/ R-422D | R-134a/ R-513A | R-404A/ R-507 | R-407A/ C/F | R-410A | R-448A/ R-449A | SIZE | COLOR CODE |
| 1/8 thru 1/3 | 1/8 thru 1/5 | 1/8 thru 1/5 | 1/8 thru 1/3 | 1/4 thru 1/3 | 1/8 thru 1/3 | AAA | RED |
| 1/2 thru 2/3 | 1/4 thru 1/3 | 1/4 thru 1/3 | 1/2 thru 2/3 | 1/2 thru 3/4 | 1/2 thru 2/3 | AA | YELLOW |
| 3/4 thru 1-1/2 | 1/2 thru 1 | 1/2 thru 1 | 3/4 thru 1-1/2 | 1 thru 1-3/4 | 3/4 thru 1-1/2 | A | BLUE |
| 1-3/4 thru 3 | 1-1/4 thru 1-3/4 | 1-1/4 thru 2 | 1-3/4 thru 3 | 2 thru 3-1/2 | 1-3/4 thru 3 | B | PINK |
| 3-1/4 thru 5-1/2 | 2 thru 3 | 2-1/4 thru 3 | 3-1/4 thru 5-1/2 | 4 thru 6 | 3-1/4 thru 5-1/2 | C | WHITE |

NOTE: BQ cartridge AA, A, B and C are also available with 15% bleed for R-22 and R-410A.

3 ELEMENT



| | | | |
|------------------------|---------------------|-------------------|---------------------|
| KT | 43 | V | C |
| Abbreviation for "Kit" | Element Size Number | *Refrigerant Code | Thermostatic Charge |

* While many new refrigerants and refrigerant blends have a unique letter code, many use the same thermostatic element as the traditional refrigerant they replace. Refer to the table below to select the correct thermostatic element.

| RECOMMENDED THERMOSTATIC ELEMENTS | | | | | | | | | | | | | |
|---|-------------|------|------|------|------|------|------|------|----------------------|-----------------|------|--------------|------|
| APPLICATION | REFRIGERANT | | | | | | | | THERMOSTATIC ELEMENT | SYSTEM MOP psig | | | |
| | 22 | 134a | 404A | 407A | 407C | 407F | 410A | 448A | | | 449A | 507 | 513A |
| AIR CONDITIONING | - | X | - | - | - | - | - | - | - | - | X | KT-43-JCP60 | 50 |
| | X | - | - | X | X | X | - | X | X | - | - | KT-43-VCP100 | 90 |
| | X | - | - | X | X | X | - | X | X | - | - | KT-43-NGA | - |
| | - | - | X | - | - | - | - | - | - | - | - | KT-43-SCP115 | 105 |
| | - | - | - | - | - | - | X | - | - | - | - | KT-45-ZGA | - |
| | - | - | - | - | - | - | X | - | - | - | - | KT-45-ZCP180 | 170 |
| COMMERCIAL REFRIGERATION 50°F to -10°F | - | X | - | - | - | - | - | - | - | - | X | KT-43-JC | - |
| | X | - | - | X | - | X | - | X | X | - | - | KT-43-VC | - |
| | - | - | X | - | - | - | - | - | - | X | - | KT-43-SC/PC | - |
| LOW TEMPERATURE REFRIGERATION 0°F to -40°F | X | - | - | X | X | X | - | X | X | - | - | KT-43-VZ | - |
| | X | - | - | X | X | X | - | X | X | - | - | KT-43-VZP40 | 30 |
| | - | - | X | - | - | - | - | - | - | X | - | KT-43-SZ | - |
| | - | - | X | - | - | - | - | - | - | X | - | KT-43-SZP | 35 |

The Sporlan type ZP thermostatic charges have essentially the same characteristics as the conventional Z cross charges with one exception: they produce a pressure limit or MOP. The ZP charges are not intended as replacements for the Z charges - they should only be used where a definite pressure limit is required to prevent overloading the compressor motor.

Connect Copper with a Simple **PUSH!**



Sporlan doesn't put their name on something unless they **know** it's going to work. Lab tested and ready for the field!

ZoomLock®
PUSH

Approved for
R410A,
R134a

PUSH-TO-CONNECT REFRIGERANT FITTINGS

HVAC/R pros know that time is money. ZoomLock® PUSH push-to-connect refrigerant fittings allow contractors to successfully make clean, leak-free



connections on HVAC/R systems in seconds, without the use of a brazing torch or press tool and jaw.

ZoomLock PUSH eliminates brazing, flames, fire spotters, and the risks associated with installation of traditional HVAC/R fittings.

ZoomLock PUSH offers a way for contractors to connect refrigerant lines in seconds, boosting efficiency while providing the safety and reliability you expect from Parker.

The ZoomLock PUSH Advantage

- » No press tool or jaws needed
- » Fast and easy install
- » Cleaner system installs
- » Secure, leak-free connections
- » Safer conditions, no fire hazards
- » No hot-work permits
- » No need to nitrogen-purge
- » Flexible access to job sites



HELPING YOUR BUSINESS WIN MORE BUSINESS™




R-410A OPTIMIZED


COUPLINGS

| | Size | Part # |
|---|------|--------|
|  | 1/4 | 777100 |
| | 3/8 | 777101 |
| | 1/2 | 777102 |
| | 5/8 | 777103 |
| | 3/4 | 777104 |
| | 7/8 | 777105 |

90 ELBOWS


| | Size | Part # |
|--|------|--------|
|  | 1/4 | 777110 |
| | 3/8 | 777111 |
| | 1/2 | 777112 |
| | 5/8 | 777113 |
| | 3/4 | 777114 |
| | 7/8 | 777115 |

FLARE ADAPTERS

| | Size | Part # |
|---|------|--------|
|  | 1/4 | 777106 |
| | 3/8 | 777107 |
| | 1/2 | 777108 |
| | 5/8 | 777109 |

Ideal for Mini Splits!

TOOLS

| | Description | Part # |
|---|------------------|--------|
|  | Installation Kit | 777091 |


The **R-410A Optimized PUSH Fittings** are rated for R-410A, R-407C, R-134A, R-404A, R-290, R-32, R-448A, and R449A R-454B.

REMOVABLE

COUPLINGS

| | Size | Part # |
|--|------|--------|
|  | 1/4 | 777133 |
| | 3/8 | 777134 |
| | 1/2 | 777135 |
| | 5/8 | 777136 |
| | 3/4 | 777137 |
| | 7/8 | 777138 |

90 ELBOWS



| | Size | Part # |
|---|------|--------|
|  | 1/4 | 777143 |
| | 3/8 | 777144 |
| | 1/2 | 777145 |
| | 5/8 | 777146 |
| | 3/4 | 777147 |
| | 7/8 | 777148 |

FLARE ADAPTERS

| | Size | Part # |
|--|------|--------|
|  | 1/4 | 777139 |
| | 3/8 | 777140 |
| | 1/2 | 777141 |
| | 5/8 | 777142 |

Ideal for Mini Splits!

TOOLS

| | Description | Part # |
|--|------------------|--------|
|  | Installation Kit | 777091 |
|  | Removal Tool | 777090 |

The **Removable PUSH Fittings** are rated for R-410A, R-407C, R-134A, R-404A, R-290, R-32, R-448A, R449A, R-454B ~ and **R-22!!**

ZoomLock PUSH fittings are sold individually bagged. They are clean and ready for install.

RHI Supply introduced you to the original Zoomlock. The ZoomLock you know and trust just got better!

Rated up to
700 psi

ZoomLock[®] MAX

PRESS-TO-CONNECT REFRIGERANT FITTINGS

ZoomLock[®] MAX, designed for the air conditioning and refrigeration markets, allows contractors to make secure leak-free connections in seconds. It means less time on the job and more money in the contractor's pocket.

ZoomLock MAX provides a clean, leak-proof connection for refrigerant lines up to 700 psi. By eliminating concerns about gas and flames, ZoomLock MAX gives you more flexibility in where and when you can work, plus there's no need to nitrogen-purge the lines.

You asked and
Sporlan listened!
These are the
changes you've
been waiting for!

**A2L
COMPATIBLE**

The ZoomLock MAX Advantage

ZoomLock MAX Jaw Sets

Features

- Hermetically sealed packaging for debris-free fittings
- No crimp gauge needed
- Rated for pressures up to 700 PSI

Includes

- 3 piece kit includes tube cutter, depth gauge, and deburring Tool

| Part # | Description | Jaw Size | Force | Battery |
|--------|----------------------------|---|-------|---------|
| 871450 | Zoomlock Jaw Set (3 Piece) | 3/8", 3/4", 7/8" | 24 kN | M12 |
| 871451 | | | 32 kN | M18 |
| 871409 | Zoomlock Jaw Set (7 Piece) | 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8" | 24 kN | M12 |
| 871408 | | | 32 kN | M18 |

**Innovation
that costs
LESS!**

ZoomLock Max
fittings are **15%
LESS** per unit
on average



Couplings

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 870508 | 1/4" | 5 |
| 870509 | 3/8" | 5 |
| 870503 | 1/2" | 5 |
| 870510 | 5/8" | 5 |
| 870505 | 3/4" | 2 |
| 870506 | 7/8" | 2 |
| 870507 | 1-1/8" | 2 |
| 870511 | 1-3/8" | 1 |
| 870512 | 1-5/8" | 1 |

Repair Couplings

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 870550 | 1/4" | 5 |
| 870552 | 3/8" | 5 |
| 870553 | 1/2" | 5 |
| 870554 | 5/8" | 3 |
| 870555 | 3/4" | 2 |
| 870556 | 7/8" | 2 |
| 870557 | 1-1/8" | 1 |
| 870559 | 1-3/8" | 1 |

Flare Adapters

| Part # | Size | Bag Qty. |
|--------|------|----------|
| 871000 | 1/4" | 4 |
| 871002 | 3/8" | 4 |
| 871003 | 1/2" | 2 |
| 871004 | 5/8" | 2 |
| 871005 | 3/4" | 2 |

Ideal for Mini Splits!

90° Elbows

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 870600 | 1/4" | 5 |
| 870602 | 3/8" | 5 |
| 870603 | 1/2" | 3 |
| 870604 | 5/8" | 3 |
| 870605 | 3/4" | 3 |
| 870606 | 7/8" | 3 |
| 870607 | 1-1/8" | 2 |
| 870608 | 1-3/8" | 1 |
| 871616 | 1-5/8" | 1 |

45° Elbows

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 871401 | 1/4" | 3 |
| 871402 | 3/8" | 3 |
| 871403 | 1/2" | 3 |
| 871404 | 5/8" | 3 |
| 871405 | 3/4" | 3 |
| 871406 | 7/8" | 3 |
| 871407 | 1-1/8" | 2 |
| 871399 | 1-3/8" | 1 |
| 871400 | 1-5/8" | 1 |

Reducer Coupling

| Part # | Size | Bag Qty. |
|--------|-----------------|----------|
| 870800 | 3/8" x 1/4" | 2 |
| 870808 | 1/2" x 1/4" | 2 |
| 870801 | 1/2" x 3/8" | 2 |
| 870809 | 5/8" x 1/4" | 2 |
| 870810 | 5/8" x 3/8" | 2 |
| 870802 | 5/8" x 1/2" | 2 |
| 870811 | 3/4" x 1/2" | 2 |
| 870803 | 3/4" x 5/8" | 2 |
| 870812 | 7/8" x 1/2" | 2 |
| 870804 | 7/8" x 5/8" | 2 |
| 870805 | 7/8" x 3/4" | 2 |
| 870814 | 1-1/8" x 5/8" | 1 |
| 870806 | 1-1/8" x 3/4" | 1 |
| 870807 | 1-1/8" x 7/8" | 1 |
| 870815 | 1-3/8" x 7/8" | 1 |
| 870816 | 1-3/8" x 1-1/8" | 1 |

Tees

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 870701 | 1/4" | 3 |
| 870702 | 3/8" | 3 |
| 870703 | 1/2" | 3 |
| 870704 | 5/8" | 2 |
| 870705 | 3/4" | 2 |
| 870706 | 7/8" | 2 |
| 870707 | 1-1/8" | 1 |
| 870708 | 1-3/8" | 1 |
| 870710 | 1-5/8" | 1 |

Caps

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 870900 | 1/4" | 3 |
| 870902 | 3/8" | 3 |
| 870903 | 1/2" | 3 |
| 870904 | 5/8" | 2 |
| 870905 | 3/4" | 2 |
| 870906 | 7/8" | 2 |
| 870907 | 1-1/8" | 1 |
| 870908 | 1-3/8" | 1 |

ZoomLock Max fittings are sold in clear bags so they are clean and ready for install. Bag quantities are listed for your convenience.



90° Street Elbows

| Part # | Size | Bag Qty. |
|--------|--------|----------|
| 871302 | 3/8" | 3 |
| 871303 | 1/2" | 3 |
| 871304 | 5/8" | 3 |
| 871305 | 3/4" | 3 |
| 871306 | 7/8" | 3 |
| 871307 | 1-1/8" | 2 |
| 871308 | 1-3/8" | 1 |

ZoomLock[®]
MAX

ZoomLock Fittings and Components are stocked at RHI Supply!!



All of these components are stubbed out and ready for ZoomLock Fittings!

Fittings and Components



| Part # | Description | Core Size | Connection Size |
|---|---|--------------------|-----------------|
| Catch-All® Liquid Line Sealed Filter-Driers | | | |
| C083PZK | Refrigerant Filter Drier | 8 in ³ | 3/8" |
| C163PZK | | 16 in ³ | 3/8" |
| C164PZK | | 16 in ³ | 1/2" |
| C304PZK | | 30 in ³ | 1/2" |
| C305PZK | | 30 in ³ | 5/8" |
| Reversible - Heat Pump Filter-Driers | | | |
| HPC163PZKHH | Heat Pump Filter-Drier | 16 in ³ | 3/8" |
| Compact Suction Line Filter | | | |
| C147PZKTTHH | Compact Suction Line Filter | 14 in ³ | 7/8" |
| See - All Sight Glasses | | | |
| SA13PZK | Combination Moisture & Liquid Indicator | — | 3/8" |
| SA14PZK | | | 1/2" |
| SA15PZK | | | 5/8" |
| SA17PZK | | | 7/8" |
| Solenoid E Series Valves | | | |
| E5S133PZKHP | Solenoid Valve | — | 1/4" |
| E6S133PZKHP | | | 3/8" |
| E8S143PZKHP | | | 1/2" |
| ME10S153PZKHP | Solenoid Valve with Manual Lift Stem | — | 5/8" |
| ME14S253PZKHP | | | 5/8" |
| ME19S273PZKHP | | | 7/8" |
| ME25S293PZKHP | | | 1-1/8" |
| Refrigeration Ball Valves - by NDL Industries | | | |
| NBV003SZ | Ball Valve with Schrader valve | — | 3/8" |
| NBV004SZ | | | 1/2" |
| NBV005SZ | | | 5/8" |
| NBV006SZ | | | 3/4" |
| NBV007SZ | | | 7/8" |
| NBV009SZ | | | 1-1/8" |



Electronic Expansion Valves

- Step Motor operated for precise control
- High resolution drive assembly
- Solenoid tight seating
- Low power consumption
- Built-in sight glass indicates valve operation
- Compatible with HCFC and HFC refrigerants
- Self lubricating materials used for long life
- High linear force output
- Electronic Valve Controllers available
--Superheat, Temp, Pressure, or Subcooling

RHI Advantage

System conversion to new refrigerants can be complicated- RHI can help!!

- Component Selection
- Refrigerant Option
- Oil Selection
- Reclaimed Gas - we'll pay YOU!
- If all else fails - we'll quote you the new equipment you need!



Aerosol Coil and Component Coat

| Part # | Description |
|------------|--|
| HSPSA12X01 | Bronz-Glow Husky SPC Clear |
| HGFP12X01 | Bronz-Glow Husky Green Fin Protector |
| HPMRA12X01 | Bronz-Glow Husky Green Fin Primer |
| HCCPA12X01 | Bronz-Glow Husky Component Coat Platinum |



RHI Advantage



RHI has chosen to partner with Bronz-Glow for all of your protective coating needs. We can help from the smallest to the largest requests. Need one component coated? We sell individual spray cans. Customers have used it on pipe insulation, TXVs, even name plate info. Need a whole unit coated? We can send your entire piece of equipment to our Bronz-Glow certified applicator. They will disassemble your unit, Bronz-Glow coat it, put it back together, and ship it back to you - fast!

'E' Series Solenoid w/ Extended Sweat Connections



| Liquid Line Capacity in Tons @ 3# Pressure Drop | | | | | | | | | | |
|---|------|------|--------|--------|-------|--------|--------|-------|--------|--------|
| Model | Size | R-22 | R-134A | R-410A | R-404 | R-448A | R-449A | R454A | R-454B | R-454C |
| E3S120 | 1/4" | 0.9 | 0.7 | 1.1 | .6 | - | - | - | - | - |
| (M) E5S130-HP | 3/8" | 2.8 | 2.1 | 3.4 | 1.8 | 2.4 | 2.4 | 2.4 | 3.1 | 2.2 |
| (M) E6S130-HP | 3/8" | 4.9 | 3.8 | 5.9 | 3.2 | 4.3 | 4.3 | 4.3 | 5.5 | 3.9 |
| (M) E6S140-HP | 1/2" | 4.9 | 3.8 | 5.9 | 3.2 | 4.3 | 4.3 | 4.3 | 5.5 | 3.9 |
| (M) E9S240-HP | 1/2" | 6.4 | 4.9 | 7.7 | 4.1 | 5.6 | 5.5 | 5.5 | 7.1 | 5.0 |
| (M) E10S250-HP | 5/8" | 10.9 | 8.3 | 13.2 | 7.1 | 9.5 | 9.4 | 9.4 | 12.1 | 8.6 |

| Coils for Above Solenoids | |
|---|---|
| MKC-1 | 24, 120 or 240 Volt (Choose the Volts) |
| MKC-1 | 120 / 240 Dual Volts |
| MKC-2 | 24, 120 or 240 Volt (Choose the Volts) |
| MKC-2 | 120 / 240 Dual Volts |
| The number after the 'S' in the solenoid part # indicates which coil to use: (1 or 2) | |
| SVOM18 | Magnetic Solenoid Operator / Troubleshooter |



E6S130-HP



MKC-1



SVOM18

Don't size your Solenoid Valves based on existing line size. Size them using the ratings listed above, this will make sure you aren't making a mistake that will affect system performance.



Solenoid Valves

COPELAND

| Model | Description |
|---|---------------------------------------|
| 200RB4S3TVLC | Normally Closed Solenoid - 3/8" Sweat |
| 200RB4S4TVLC | Normally Closed Solenoid - 1/2" Sweat |
| Capacity in Tons: R-134A: 6 Tons, R-22: 8 Tons, R404A/R-507: 4.2 Tons | |
| Coils for Above Solenoids | |
| AMG 24V | 24 Volt Coil |
| AMG 120V | 120 Volt Coil |
| AMG 240V | 240 Volt Coil |
| AMG 120-240V | 120-240 Volt Coil |



200RB4S3

General Purpose Solenoid Valves

Parker

| Model | Conn. Size | CV |
|-------|------------|------|
| GP300 | 3/8" NPT | 3.35 |
| GP400 | 1/2" NPT | 3.35 |
| GP600 | 3/4" NPT | 7.4 |
| GP10A | 1" NPT | 12.2 |

Suitable for use with water, air, light oils, no. 1 and no. 2 fuel oil, brine and other non-corrosive fluids with temps up to 225F.



GP300

Stainless Steel Vibration Absorbers



Minimize Vibration in Refrigeration and Air Conditioning Systems

Features

- 100% copper connections
- Hose and copper braze welded
- Units individually bagged and boxed

Features

- Each unit dehydrated and vacuum tested
- UL, cUL, and CE

| Part # | Connection | Max. Working Pressure |
|--------|--------------|-----------------------|
| 52329 | 1/4" Sweat | 650 PSI |
| 52330 | 3/8" Sweat | |
| 52331 | 1/2" Sweat | |
| 52332 | 5/8" Sweat | |
| 52333 | 3/4" Sweat | |
| 52334 | 7/8" Sweat | |
| 52335 | 1-1/8" Sweat | |
| 52336 | 1-3/8" Sweat | |
| 52337 | 1-5/8" Sweat | 500 PSI |
| 52338 | 2-1/8" Sweat | |
| 52339 | 2-5/8" Sweat | 440 PSI |



52330

Refrigeration Ball Valve w/ Access Valve

COPELAND

Isolate Suction, Discharge, and Liquid Lines During Maintenance Shut Down Periods

Features

- Forged brass body
- Bi-directional flow characteristics
- Compatible with all A1 class refrigerants and R32
- Brass locking seal cap

Features

- Copper ODF connections with standard lengths for field retrofit installations
- Full port design
- Integrated access valve on all sizes

| Part # | Connection | Port Size | Max. Working Pressure | Fluid Temp. Range |
|---------|------------|-----------|-----------------------|-------------------|
| BVSS014 | 1/4" ODF | Full Port | 650 PSI (45 bar) | -40°F to 250°F |
| BVSS038 | 3/8" ODF | | | |
| BVSS012 | 1/2" ODF | | | |
| BVSS058 | 5/8" ODF | | | |
| BVSS034 | 3/4" ODF | | | |
| BVSS078 | 7/8" ODF | | | |
| BVSS118 | 1-1/8" ODF | | | |
| BVSS138 | 1-3/8" ODF | | | |
| BVSS158 | 1-5/8" ODF | | | |
| BVSS218 | 2-1/8" ODF | | | |



BVSS012



Reliability

Forged brass body with hermetic weld design
 Copper ODF connections
 Brass locking seal caps (BVSS)
 Full port design on all sizes (BVSS)

All of your Heatcraft parts and equipment needs can be handled by RHI. Chandler, Bohn, Climate Control, Larkin - we can get them all!

Chandler Refrigeration Solutions for Walk-In Coolers and Freezers Keep Food Fresher Longer

Chandler commercial refrigeration products:

- Industry-leading DOE-compliant units now available
- Consistently reach desired temperature quicker
- Hold desired temperature more consistently
- Allow for factory-mounted remote system monitoring with IntelliGen™ Refrigeration Controller
- Deliver performance efficiency and lower energy consumption



We Know Cold Storage!

At Heatcraft we know that industrial refrigeration applications come in all shapes and sizes. From extreme blast freezers to sanitary food preparation applications, Heatcraft engineers Chandler industrial refrigeration products that give end-users greater choices to:

- Reduce energy costs
- Improve product integrity
- Control their bottom line



Since 1987 the people at Leer (formerly Carroll Coolers) have been committed to providing you with a top quality walk-in with the very best service in the industry – both before and after the sale.

For convenience stores, supermarkets, institutions and warehouses, custom-built Leer Coolers are an industry standard when it comes to both wood-framed and high-density “Hard Rail” construction.

When you partner with RHI and Leer we take care of your needs in an accurate and timely fashion. Plus, Leer has the industry’s best on-time shipping history for quality and satisfaction guaranteed.

High-Temp "Cooler" Replacement Compressors



| Part # | BOM | Volts | HP | Gas | Type |
|--------------|----------------|-------|-----|--------|-------|
| AE4430Y-AA1A | AE1023E-212-J7 | 115 | 1/4 | R-134A | Sweat |
| AE4440A-AA1A | AE1250E-212-J7 | | | R-12 | |
| AE4440Y-AA1A | AE1022E-212-J7 | | | R-134A | |
| AE4440Z-AA1A | AE1168E-209-J7 | | | R-404A | |


AE4440A-AA1A


4 Year Extended Warranties are available on all our Tecumseh Compressors!!

Download the free Tecumseh App today! It has an electronic version of Tecumseh's electrical service parts handbook, cross reference tools, and more!

I need to "Ohm Out" a Compressor - What does that mean?!

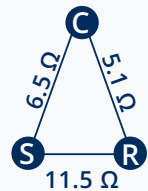
First of all - which terminal is which: Typically it's **C**ommon on Top, **S**tart on Left, **R**un on Right
 There should be a measurable resistance between each pair of terminals.

If the compressor "Ohms out" then the following is true: (**S** to **C**) + (**R** to **C**) = (**S** to **R**)

The lowest resistance will be found between **R** to **C**.

The highest resistance will be found between **S** to **C**.

Finally, the resistance between **R** to **S** should be roughly the sum of **S** to **C** and **R** to **C**.



INTRODUCING

COPELAND

Now Available From Your Go-To Tecumseh Partner





ZF Scroll Compressors

COPELAND

| Part # | Volts | Phase | Refrigerant | Temperature Application | Connection | |
|-----------------|---------|-------|---|-------------------------|-------------|------------|
| | | | | | Suction | Discharge |
| ZF07KAE-PFV-818 | 208-230 | 1 | R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low | 3/4" Sweat | 1/2" Sweat |
| ZF07KAE-TF5-818 | 208-230 | 3 | R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low | | |
| ZF09K4E-TF5-931 | 208-230 | 3 | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium | | |
| ZF11K4E-PFV-931 | 208-230 | 1 | R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Low, Medium | | |
| ZF11K4E-TF5-931 | 208-230 | 3 | R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium | | |
| ZF13K4E-PFV-931 | 208-230 | 1 | R-134a, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Low, Medium, High | | |
| ZF13K4E-TF5-931 | 208-230 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium, High | | |
| ZF15K4E-TF5-931 | 208-230 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium, High | 7/8" Sweat | 3/4" Sweat |
| ZF18K4E-TF5-931 | 208-230 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium | | |
| ZF25K4E-TF5-991 | 208-230 | 3 | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium, High | | |
| ZF15K4E-TF5-961 | 208-230 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium, High | | |
| ZF18K4E-TF5-961 | 208-230 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium, High | | |
| ZF18K4E-TFD-961 | 460 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Low, Medium, High | 1-1/4" Rot. | 1" Rot. |

* Requires DTC Valve for Low Temperature (3/8" S x 1/4" F)

** Requires DTC Vapor Injection Valve for Low Temperature

ZF Scroll Compressor Capacitor / Relays

| Part # | Start Cap. | Run Cap. | Potential Relay | DTC Vapor Injection Valve | DTC Valve | |
|-----------------|-------------|-------------|-----------------|---------------------------|-------------|-------------|
| | | | | | Sweat | Flare |
| ZF07KAE-PFV-818 | 914-0036-03 | 914-0037-36 | 940-0001-79 | 998-0746-00 | — | — |
| ZF07KAE-TF5-818 | — | — | — | 998-0746-00 | — | — |
| ZF09K4E-TF5-931 | — | — | — | — | — | 998-0500-01 |
| ZF11K4E-PFV-931 | 914-0036-03 | 914-0037-37 | 940-0001-79 | — | 998-0500-00 | 998-0500-01 |
| ZF11K4E-TF5-931 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF13K4E-PFV-931 | 914-0006-10 | 914-0037-37 | 940-0001-79 | — | 998-0500-00 | 998-0500-01 |
| ZF13K4E-TF5-931 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF15K4E-TF5-931 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF15K4E-TF5-961 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF18K4E-TF5-931 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF18K4E-TF5-961 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF18K4E-TFD-961 | — | — | — | — | 998-0500-00 | 998-0500-01 |
| ZF25K4E-TF5-991 | — | — | — | — | 998-0500-00 | 998-0500-01 |

3-Phase Compressors do not require Start / Run Capacitor or Potential Relay


COPELAND

ZB Scroll Compressor

| Part # | Volts | Phase | Refrigerant | Temperature Application | Connection | |
|-----------------|---------|-------|---|-------------------------|--------------|------------|
| | | | | | Suction | Discharge |
| ZB06KAE-PFV-818 | 208-230 | 1 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium | 3/4" Sweat | 1/2" Sweat |
| ZB07KAE-PFV-818 | 208-230 | 1 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium | | |
| ZB07KAE-TF5-818 | 208-230 | 3 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium | | |
| ZB08KAE-PFV-818 | 208-230 | 1 | R-22, R-134a, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium | | |
| ZB38KCE-PFV-950 | 208-230 | 1 | R-22, R-134a, R-404A, R-407C, R-507 | High | 7/8" Sweat | |
| ZB38KCE-TF5-950 | 208-230 | 3 | R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium, High | | |
| ZB45KCE-TF5-965 | 208-230 | 3 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | 1-1/4" Rot. | 1" Rot. |
| ZB58KCE-TF5-950 | 208-230 | 3 | R-134a, R-22, R-404A, R-407C, R-448A, R-449A, R-507 | High | 1-1/8" Sweat | 7/8" Sweat |
| ZB66KCE-TFD-950 | 460 | 3 | R-134a, R-22, R-404A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium, High | 1-3/8" Sweat | 7/8" Sweat |

ZB Scroll Compressor Capacitor / Relays

| Part # | Run Cap. | Start Cap. | Potential Relay |
|-----------------|-------------|-------------|-----------------|
| ZB06KAE-PFV-818 | 914-0037-11 | 914-0036-03 | 940-0001-79 |
| ZB07KAE-PFV-818 | 914-0037-11 | 914-0036-03 | 940-0001-79 |
| ZB07KAE-TF5-818 | — | — | — |
| ZB08KAE-PFV-818 | 914-0037-11 | 914-0036-03 | 940-0001-79 |
| ZB38KCE-PFV-950 | 914-0037-38 | 914-0036-10 | 940-0001-79 |
| ZB38KCE-TF5-950 | — | — | — |
| ZB45KCE-TF5-965 | — | — | — |
| ZB58KCE-TF5-950 | — | — | — |
| ZB66KCE-TFD-950 | — | — | — |

Need More Info On Copeland Compressors?

The Copeland Mobile app gives you instant access to product information—anytime, anywhere





ZS Scroll Compressor

COPELAND

| Part # | Volts | Phase | Refrigerant | Temperature Application | Connection | |
|-----------------|-------|---------|---|-------------------------|------------|------------|
| | | | | | Suction | Discharge |
| ZS09KAE-PFV-818 | 1 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | 3/4" Sweat | 1/2" Sweat |
| ZS09KAE-TF5-818 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS13KAE-PFV-818 | 1 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | 7/8" Sweat | |
| ZS13KAE-TF5-818 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS15KAE-PFV-818 | 1 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | 3/4" Sweat | |
| ZS15KAE-TF5-818 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS19KAE-TF5-818 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS21KAE-PFV-818 | 1 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | 7/8" Sweat | |
| ZS29KAE-PFV-818 | 1 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS38K4E-PFV-950 | 1 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS21KAE-TF5-818 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS33KAE-TF5-818 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | Medium, High | | |
| ZS38K4E-TF5-950 | 3 | 208-230 | R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-507 | Medium, High | | |

ZS Scroll Compressor Capacitor / Relays

| Part # | Run Cap. | Run Cap. Rating (MFD x Volts) | Start Cap. | Potential Relay |
|-----------------|-------------|-------------------------------|-------------|-----------------|
| ZS09KAE-PFV-818 | 914-0037-10 | 30 x 370 | 914-0036-03 | 940-0001-79 |
| ZS09KAE-TF5-818 | — | — | — | — |
| ZS13KAE-PFV-818 | 914-0037-11 | 35 x 370 | 914-0036-03 | 940-0001-79 |
| ZS13KAE-TF5-818 | — | — | — | — |
| ZS15KAE-PFV-818 | 914-0037-12 | 40 x 370 | 914-0036-03 | 940-0001-79 |
| ZS15KAE-TF5-818 | — | — | — | — |
| ZS19KAE-TF5-818 | — | — | — | — |
| ZS21KAE-PFV-818 | 914-0037-39 | 55 x 370 | 914-0036-03 | 940-0001-79 |
| ZS29KAE-PFV-818 | 914-0037-22 | 60 x 440 | 914-0036-03 | 940-0001-79 |
| ZS38K4E-PFV-950 | 914-0037-38 | 80 x 370 | 914-0006-10 | 940-0001-79 |
| ZS21KAE-TF5-818 | — | — | — | — |
| ZS33KAE-TF5-818 | — | — | — | — |
| ZS38K4E-TF5-950 | — | — | — | — |

3-Phase Compressors do not require Start / Run Capacitor or Potential Relay




COPELAND

ZP Compressors

| Part # | Volts | Phase | BTU Capacity @ 45°F Evap.* | Application | Refrigerant | Connection | |
|-----------------|---------|-------|-------------------------------|-------------|-------------|------------|------------|
| | | | | | | Suction | Discharge |
| ZP20K5E-PFV-800 | 208-230 | 1 | 20,000 | High Temp. | 410A | 3/4" Sweat | 1/2" Sweat |
| ZP24K5E-PFV-800 | 208-230 | 1 | 24,000 | High Temp. | 410A | | |
| ZP31K5E-PFV-800 | 208-230 | 1 | 31,100 | High Temp. | 410A | | |
| ZP16K5E-PFV-800 | 208-230 | 1 | 15,500 | High Temp. | 410A | | |
| ZP34K5E-PFV-800 | 208-230 | 1 | 34,500 | High Temp. | 410A | | |
| ZP34K5E-TF5-800 | 200-230 | 3 | 34,600 | High Temp. | 410A | 7/8" Sweat | |
| ZP49K5E-PFV-800 | 208-230 | 1 | 49,400 | High Temp. | 410A | | |
| ZP54K5E-PFV-800 | 208-230 | 1 | 54,000 | High Temp. | 410A | | |
| ZP49K5E-TF5-800 | 200-230 | 3 | 49,700 | High Temp. | 410A | | |
| ZP54K5E-TF5-800 | 200-230 | 3 | 54,300 | High Temp. | 410A | | |
| ZP54K5E-TFD-800 | 460 | 3 | 54,300 | High Temp. | 410A | | |
| ZP61K5E-TF5-800 | 200-230 | 3 | 61,500 | High Temp. | 410A | | |
| ZP83KCE-TF5-800 | 200-220 | 3 | 83,000 | High Temp. | 410A | | |
| ZP83KCE-TFD-800 | 380-420 | 3 | 83,000 | High Temp. | 410A | | |

* Based on R-410A Refrigerant

ZP Compressor Capacitor / Relays

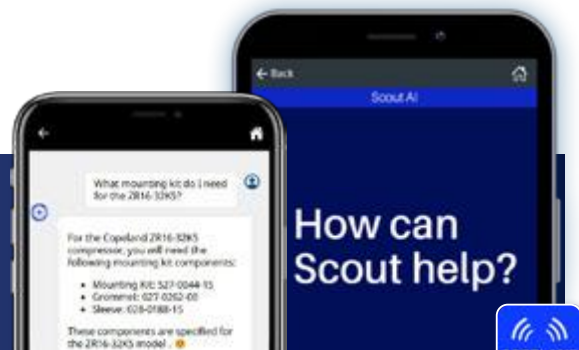
| Part # | Run Cap. | Start Cap. | Potential Relay |
|-----------------|-------------|-------------|-----------------|
| ZP20K5E-PFV-800 | 914-0037-11 | 914-0036-03 | 940-0001-79 |
| ZP24K5E-PFV-800 | 914-0037-12 | 914-0036-03 | 940-0001-79 |
| ZP31K5E-PFV-800 | 914-0037-36 | 914-0036-03 | 940-0001-79 |
| ZP16K5E-PFV-800 | 914-0037-10 | 914-0036-03 | 940-0001-79 |
| ZP34K5E-PFV-800 | 914-0037-36 | 914-0036-03 | 940-0001-79 |
| ZP49K5E-PFV-800 | 914-0037-51 | 914-0036-03 | 940-0001-79 |
| ZP54K5E-PFV-800 | 914-0037-38 | 914-0036-03 | 940-0001-79 |
| ZP34K5E-TF5-800 | — | — | — |
| ZP49K5E-TF5-800 | — | — | — |
| ZP54K5E-TF5-800 | — | — | — |
| ZP54K5E-TFD-800 | — | — | — |
| ZP61K5E-TF5-800 | — | — | — |
| ZP83KCE-TF5-800 | — | — | — |
| ZP83KCE-TFD-800 | — | — | — |



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ZR Compressors

| Part # | Volts | Phase | BTU Capacity @ 45°F Evap.* | Application | Refrigerant | Connection | | |
|------------------|---------|-------|-------------------------------|------------------|-------------------------|--------------|--------------|------------|
| | | | | | | Suction | Discharge | |
| ZR16K5E-PFV-800 | 208-230 | 1 | 14,650 | Air Conditioning | R-22, R-407C | 3/4" Sweat | 1/2" Sweat | |
| ZR18K5E-PFV-800 | 208-230 | 1 | 17,300 | Air Conditioning | R-22, R-407C | | | |
| ZR25K5E-PFV-800 | 208-230 | 1 | 24,300 | Air Conditioning | R-22, R-407C | | | |
| ZR28K5E-PFV-800 | 208-230 | 1 | 27,300 | Air Conditioning | R-22, R-407C | | | |
| ZR32K5E-PFV-800 | 208-230 | 1 | 31,300 | Air Conditioning | R-22, R-407C | | | |
| ZR38K5E-PFV-800 | 208-230 | 1 | 36,600 | Air Conditioning | R-22, R-407C | | | |
| ZR38K5E-TF5-800 | 208-230 | 3 | 36,900 | Air Conditioning | R-22, R-407C | 7/8" Sweat | | 1/2" Sweat |
| ZR42K5E-PFV-800 | 208-230 | 1 | 40,800 | Air Conditioning | R-22, R-407C | | | |
| ZR48K5E-PFV-800 | 208-230 | 1 | 46,200 | Air Conditioning | R-22, R-407C | | | |
| ZR61K3E-PFV-930 | 208-230 | 1 | 59,400 | Air Conditioning | R-22, R-407C | | | |
| ZR48K5E-TFD-800 | 460 | 3 | 46,800 | Air Conditioning | R-22, R-407C | | | |
| ZR61K3E-TF5-930 | 200-230 | 3 | 58,700 | Air Conditioning | R-22, R-407C | | | |
| ZR61K3E-TFD-930 | 460 | 3 | 58,700 | Air Conditioning | R-22, R-407C | | | |
| ZR72KCE-TF5-950 | 200-230 | 3 | 72,300 | Air Conditioning | R-22, R-134a, R-407C | 1-3/4" Sweat | 1-1/4" Sweat | |
| ZR108KCE-TF5-965 | 200-230 | 3 | 106,000 | Air Conditioning | R-22, R-134a, R-407C | | | |
| ZR125KCE-TF5-950 | 200-230 | 3 | 125,000 | Air Conditioning | R-22, R-134a, R-407C | 1-3/8" Sweat | 7/8" Sweat | |

* Based on R-407C Refrigerant

ZR Compressor Capacitor / Relays

| Part # | Run Cap. | Start Cap. |
|------------------|-------------|-------------|
| ZR16K5E-PFV-800 | 914-0037-10 | 914-0036-03 |
| ZR18K5E-PFV-800 | 914-0037-10 | 914-0036-03 |
| ZR25K5E-PFV-800 | 914-0037-12 | 914-0036-03 |
| ZR28K5E-PFV-800 | 914-0037-36 | 914-0036-03 |
| ZR32K5E-PFV-800 | 914-0037-40 | 914-0036-03 |
| ZR38K5E-PFV-800 | 914-0037-39 | 914-0036-03 |
| ZR42K5E-PFV-800 | 914-0037-39 | 914-0036-03 |
| ZR48K5E-PFV-800 | 914-0037-22 | 914-0036-03 |
| ZR61K3E-PFV-930 | 914-0037-38 | 914-0006-10 |
| ZR38K5E-TF5-800 | — | — |
| ZR48K5E-TFD-800 | — | — |
| ZR61K3E-TF5-930 | — | — |
| ZR61K3E-TFD-930 | — | — |
| ZR72KCE-TF5-950 | — | — |
| ZR108KCE-TF5-965 | — | — |
| ZR125KCE-TF5-950 | — | — |



2D* / 3D* / 4D* / 6D* Semi-Hermetic Discus Compressors

| Part # | Volts | Phase | Application | Refrigerant | Connection | |
|-------------------|---------------|-------|--------------------------|--|--------------|--------------|
| | | | | | Suction | Discharge |
| 2D Compressors | | | | | | |
| 2DA3F23KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | 7/8" Sweat | 1-3/8" Sweat |
| 2DA3R89KE-TFC-800 | 230 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 2DB3F25KE-TFC-800 | 208-230 | 3 | Low Temp. | R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 2DC3R53KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 2DD3R63KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 2DF3F16KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-12, R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 2DL3F20KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 2DL3R78KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 3D Compressors | | | | | | |
| 3DB3F33KE-TFC-800 | 208-230 | 3 | Low Temp., High Temp. | R-12, R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | 1-1/8" Sweat | 1-3/8" Sweat |
| 3DB3R12ME-TFC-800 | 208-230 | 3 | Medium Temp., High Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 3DB3R12ME-TFC-800 | 208-230 | 3 | Medium Temp., High Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 3DS3F46KE-TFC-800 | 208-230 | 3 | AC, Medium Temp. | R-12, R-134a, R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 3DS3R17ME-TFC-800 | 208-230 | 3 | Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | 1-5/8" Sweat |
| 3DS3R17ME-TFC-800 | 208-230 | 3 | Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | | |
| 4D Compressors | | | | | | |
| 4DE3R18ME-TSK-800 | 208-230 / 460 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-502, R-507 | 1-3/8" Sweat | 1-5/8" Sweat |
| 4DL3F63KE-TSK-800 | 208-230 / 460 | 3 | Low Temp. | R-22, R-407A, R-407C, R-448A, R-449A, R-502 | | |
| 4DK3R22ME-TSK-800 | 208-230 / 460 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-502, R-507 | | 2-1/8" Sweat |
| 4DR3R28ME-TSK-800 | 208-230 / 460 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-502, R-507 | | |
| 6D Compressors | | | | | | |
| 6DL3F93KE-TSK-800 | 208-230 / 460 | 3 | Low Temp. | R-502 | 1-3/8" Sweat | 2-1/8" Sweat |
| 6DS3F11ME-TSK-899 | 208-230 / 460 | 3 | Low Temp. | R-404A, R-407C | | |
| 6DT3F11ME-TSK-800 | 208-230 / 460 | 3 | Low Temp. | R-407C, R-502, R-507 | | |
| 6DS3R40ME-TSN-899 | 208-230 / 460 | 3 | AC, Medium Temp. | R-22, R-407A, R-407C, R-407F, R-448A | 1-5/8" Sweat | |
| 6DP3R35ME-TSK-800 | 208-230 / 460 | 3 | AC, Medium Temp. | R-22, R-404A, R-407A, R-407C, R-448A, R-449A | | |

4D & 6D Compressor Warranties

Emerson will no longer give warranty on any 4, 6, or 8 semi-hermetic service compressor that is determined to have a single-phase motor burn. Please educate your personnel concerning this issue and be aware of a potential charge-back when making in-warranty compressor exchanges on first-time service compressor failures.



4D* / 6D* Contactor Kits

| Part # | Volts | Poles | Amps |
|---------------|---------|-------|------|
| 912-3040-00* | 24 | 3 | 40* |
| 912-3040-01* | 120 | 3 | 40 |
| 912-3040-02* | 208-240 | 3 | 40 |
| 912-3050-01* | 120 | 3 | 50 |
| 912-3050-02* | 208-240 | 3 | 50 |
| 912-3060-01* | 120 | 3 | 60 |
| 912-3060-02* | 208-240 | 3 | 60 |
| 912-3075-01* | 120 | 3 | 75 |
| 912-3075-02* | 208-240 | 3 | 75 |
| 912-3090-06** | 204-240 | 3 | 90 |

Contactor is Required for 4D & 6D Semi-Hermetic Discus Compressors

4D* / 6D* Contactor Auxiliary Kits

COPELAND

| Part # | For Use With | Contact Type |
|-------------|----------------------------|---------------|
| 912-0001-10 | 15-75A Series Compressors* | (1) NO |
| 912-0001-11 | 15-75A Series Compressors* | (1) NC |
| 912-0001-13 | 15-75A Series Compressors* | (2) No |
| 912-0001-14 | 15-75A Series Compressors* | (2) NC |
| 912-0001-39 | 90A Series Compressors** | (1) NO |
| 912-0001-40 | 90A Series Compressors** | (1) NC |
| 912-0001-41 | 90A Series Compressors** | (1) NO (1) NC |

4D* Cooling Fan Kits

| Part # | Description | For Use With |
|-------------|--------------------------------------|---------------|
| 998-0550-02 | 115V Fan Motor Kit | 4R, 4DL & 4DT |
| 998-0550-05 | 115V Replacement Fan Motor | 4R, 4DL & 4DT |
| 998-0550-00 | 230V Fan Motor Kit | 4R, 4DL & 4DT |
| 998-0550-03 | 230V Replacement Fan Motor | 4R, 4DL & 4DT |
| 998-0550-06 | 230V Electronically Commutated Motor | 4R, 4DL & 4DT |
| 998-0550-01 | 460V Fan Motor Kit | 4R, 4DL & 4DT |
| 998-0550-04 | 460V Replacement Fan Motor | 4R, 4DL & 4DT |
| 998-0574-03 | Fan Mounting Kit | 4R & 4D*1 |
| 998-0574-12 | Fan Mounting Kit | 4D*3 |
| 974-0813-00 | Bracket Only | 4R & 4D |
| 083-0118-00 | Fan Blade | 4R & 4D |

6D* Cooling Fan Kits

| Part # | Description | For Use With |
|-------------|----------------------------|------------------------|
| 998-0550-02 | 115V Fan Motor Kit | 6D & 6R |
| 998-0550-05 | 115V Replacement Fan Motor | 6D & 6R |
| 998-0550-00 | 230V Fan Motor Kit | 6D & 6R |
| 998-0550-03 | 230V Replacement Fan Motor | 6D & 6R |
| 998-0550-06 | 208-230V ECM Fan Motor | 6D & 6R |
| 998-0550-01 | 460V Fan Motor Kit | 6D & 6R |
| 998-0550-04 | 460V Replacement Fan Motor | 6D & 6R |
| 998-0574-04 | Fan Mounting Kit | 6D*1 & 6R (Short Head) |
| 998-0574-05 | Fan Mounting Kit | 6RL, 6RT, 6DL1 & 6DT1 |
| 998-0574-13 | Fan Mounting Kit | 6D*3 Only |
| 083-0118-00 | Fan Blade | 6D & 6R |

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A / C / R Hermetic Compressors



| Part # | Volts | Phase | Temperature Application | Refrigerant | Connection | | | |
|------------------|---------|-------|-------------------------|--|-------------|------------|------------|------------|
| | | | | | Suction | Discharge | | |
| A Compressors | | | | | | | | |
| ASE24C5E-IAA-901 | 115 | 1 | Medium, High | R-404A, R-448A, R-449A, R-452A | 5/16" Sweat | 1/4" Sweat | | |
| ASE28C5E-IAV-901 | 208-230 | 1 | Medium, High | R-404A, R-448A, R-449A, R-452A | | | | |
| ASE32C5E-CAA-901 | 115 | 1 | Medium, High | R-404A, R-448A, R-449A, R-452A | | | | |
| AFF08C1E-IAA-901 | 115 | 1 | Low | R-134a, R-450A, R-513A | | | | |
| C Compressors | | | | | | | | |
| CS12K6E-TF5-945 | 208-230 | 3 | Medium, High | R-134a, R-22, R-404A, R-507 | 5/8" Sweat | 1/2" Sweat | | |
| CS14K6E-PFV-945 | 208-230 | 1 | Medium, High | R-134a, R-22, R-404A, R-507 | | | | |
| CS18K6E-PFV-945 | 208-230 | 1 | Medium, High | R-134a, R-22, R-404A, R-507 | | | | |
| CS18K6E-TF5-945 | 208-230 | 3 | Medium | R-134a, R-22, R-404A, R-507 | | | | |
| CS24K6E-PFV-945 | 208-230 | 1 | Medium | R-404A | 7/8" Sweat | | 1/2" Sweat | |
| CS33K6E-TF5-956 | 208-230 | 3 | Medium, High | R-404A, R-507 | | | | |
| CS33K6E-TFD-956 | 460 | 3 | Medium, High | R-404A | | | | |
| CF06K6E-PFV-945 | 208-230 | 1 | Low | R-404A, R-507 | 3/4" Sweat | | | 1/2" Sweat |
| CF09K6E-PFV-945 | 208-230 | 1 | Low | R-404A, R-507 | | | | |
| CF09K6E-TF5-945 | 208-230 | 3 | Low | R-404A, R-507 | | | | |
| CF12K6E-PFV-945 | 208-230 | 1 | Low | R-404A, R-507 | | | | |
| CF12K6E-TF5-945 | 208-230 | 3 | Low | R-404A, R-507 | | | | |
| R Compressors | | | | | | | | |
| RRT64C1E-CFA-901 | 115 | 1 | High | R-134a, R-450A, R-513A | 3/8" Sweat | 1/4" Sweat | | |
| RST55C1E-CFA-901 | 115 | 1 | Medium | R-404A, R-407C, R-448A, R-449A, R-452A | | | | |
| RST55C1E-CFA-959 | 115 | 1 | Medium, High | R-404A, R-407C, R-448A, R-449A, R-452A | | | | |
| RST64C1E-CFA-901 | 115 | 1 | Medium | R-404A, R-407C, R-448A, R-449A, R-452A | | | | |

A / C / R Hermetic Compressor Capacitor / Relays

| Part # | Run Cap. | Start Cap. | Potential Relay |
|----------------------|-------------|-------------|-----------------|
| A Compressors | | | |
| ASE24C5E-IAA-901 | — | 914-0053-09 | — |
| ASE28C5E-IAV-901 | — | 914-0053-06 | — |
| ASE32C5E-CAA-901 | 914-0058-43 | 914-0058-43 | — |
| AFF08C1E-IAA-901 | — | 914-0087-08 | — |
| C Compressors | | | |
| CS12K6E-TF5-945 | — | — | — |
| CS14K6E-PFV-945 | 914-0037-11 | 914-0036-04 | 940-0001-55 |
| CS18K6E-PFV-945 | 914-0037-11 | 914-0036-04 | 940-0001-55 |
| CS18K6E-TF5-945 | — | — | — |
| CS24K6E-PFV-945 | 914-0037-18 | 914-0006-03 | — |
| CS33K6E-TF5-956 | — | — | — |
| CS33K6E-TFD-956 | — | — | — |
| CF06K6E-PFV-945 | 914-0037-10 | 914-0008-51 | 940-0001-55 |
| CF09K6E-PFV-945 | 914-0037-12 | 914-0036-04 | 940-0001-55 |

| Part # | Run Cap. | Start Cap. | Potential Relay |
|----------------------|-------------|-------------|-----------------|
| C Compressors | | | |
| CF09K6E-TF5-945 | — | — | — |
| CF12K6E-PFV-945 | 914-0037-18 | 914-0006-03 | 940-0001-60 |
| CF12K6E-TF5-945 | — | — | — |
| R Compressors | | | |
| RRT64C1E-CFA-901 | 914-0037-17 | 914-0058-43 | — |
| RST55C1E-CFA-901 | 914-0037-17 | 914-0036-09 | — |
| RST55C1E-CFA-959 | 914-0037-17 | 914-0036-09 | — |
| RST64C1E-CFA-901 | 914-0037-18 | 914-0058-43 | — |

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LXE Compressors

COPELAND

| Part # | Volts | Phase | BTU Capacity @ 45°F Evap. | Application | Refrigerant | Connection | |
|-----------------|---------|-------|------------------------------|-------------|-------------|------------|------------|
| | | | | | | Suction | Discharge |
| ZP16LXE-PFV-800 | 208-230 | 3 | 16,300 | AC | R-410A | 3/4" Sweat | 1/2" Sweat |
| ZP21LXE-PFV-800 | 208-230 | 1 | 20,000 | AC | R-410A | | |
| ZP25LXE-PFV-800 | 208-230 | 1 | 25,500 | AC | R-410A | | |
| ZP31LXE-PFV-800 | 208-230 | 1 | 31,800 | AC | R-410A | | |
| ZP34LXE-TF5-800 | 200-230 | 3 | 34,600 | AC | R-410A | 7/8" Sweat | |
| ZP34LXE-TFD-800 | 460 | 3 | 34,600 | AC | R-410A | | |
| ZP37LXE-PFV-800 | 208-230 | 1 | 37,800 | AC | R-410A | | |
| ZP39LXE-TF5-800 | 200-230 | 3 | 39,000 | AC | R-410A | | |
| ZP39LXE-TFD-800 | 460 | 3 | 39,000 | AC | R-410A | | |
| ZP42LXE-PFV-800 | 208-230 | 1 | 42,400 | AC | R-410A | | |
| ZP51LXE-PFV-800 | 208-230 | 1 | 50,600 | AC | R-410A | | |
| ZP51LXE-TF5-800 | 200-230 | 3 | 52,500 | AC | R-410A | | |
| ZP51LXE-TFD-800 | 460 | 3 | 52,300 | AC | R-410A | | |
| ZP57LXE-PFV-800 | 208-230 | 1 | 58,500 | AC | R-410A | | |
| ZP57LXE-TF5-800 | 200-230 | 3 | 57,500 | AC | R-410A | | |
| ZP57LXE-TFD-800 | 460 | 3 | 57,500 | AC | R-410A | | |

LXE Compressor Capacitor / Relays

| Part # | Run Cap. | Start Cap. |
|-----------------|-------------|-------------|
| ZP16LXE-PFV-800 | 914-0036-03 | 914-0037-11 |
| ZP21LXE-PFV-800 | 914-0036-03 | 914-0037-11 |
| ZP25LXE-PFV-800 | 914-0036-03 | 914-0037-11 |
| ZP31LXE-PFV-800 | 914-0036-03 | 914-0037-12 |
| ZP34LXE-TF5-800 | — | — |
| ZP34LXE-TFD-800 | — | — |
| ZP37LXE-PFV-800 | 914-0036-03 | 914-0037-36 |
| ZP39LXE-TF5-800 | — | — |
| ZP39LXE-TFD-800 | — | — |
| ZP42LXE-PFV-800 | 914-0036-03 | 914-0037-36 |
| ZP51LXE-PFV-800 | 914-0036-03 | 914-0037-51 |
| ZP51LXE-TF5-800 | — | — |
| ZP51LXE-TFD-800 | — | — |
| ZP57LXE-PFV-800 | 914-0036-03 | 914-0037-51 |
| ZP57LXE-TF5-800 | — | — |
| ZP57LXE-TFD-800 | — | — |



COPELAND

Outdoor Medium Temperature Scroll Condensing Units

| Part # | Volts | Phase | Temperature Application | Refrigerant | Compressor | Connection | |
|-------------------|---------|-------|-------------------------|---|-----------------|------------|------------|
| | | | | | | Liquid | Suction |
| XFAM-022Z-CFV-081 | 208-230 | 1 | Medium | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | ZS15KAE-PFV-118 | 1/2" Sweat | 7/8" Sweat |
| XFAM-030Z-CFV-081 | 208-230 | 1 | Multiple | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | ZS21KAE-PFV-118 | 1/2" Sweat | 7/8" Sweat |
| XFAM-030Z-TFC-081 | 208-230 | 3 | Low | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | ZS21KAE-TF5-118 | 1/2" Sweat | 7/8" Sweat |

Outdoor Medium Temperature Scroll Condensing Units Capacitors / Relays

| Part # | Run Cap. | Start Cap. | Potential Relay |
|-------------------|-------------|-------------|-----------------|
| XFAM-022Z-CFV-081 | 914-0037-12 | 914-0036-03 | 940-0001-79 |
| XFAM-030Z-CFV-081 | 914-0037-39 | 914-0036-03 | 940-0001-79 |
| XFAM-030Z-TFC-081 | — | — | — |



XFAM-022Z-CFV-081

Multi-Refrigerant Scroll Condensing Units

| Part # | Volts | Phase | Compressor | Temperature Application | Refrigerant | Connection | |
|-------------------|---------|-------|-----------------|-------------------------|---|------------|--------------|
| | | | | | | Liquid | Suction |
| FFAP-A32Z-CFV-075 | 208-230 | 1 | ZS21KAE-PFV-118 | Low | R-134a, R-22, R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | 3/8" Sweat | 1-1/8" Sweat |

Multi-Refrigerant Scroll Condensing Units Capacitors / Relays

| Part # | Run Cap. | Start Cap. | Potential Relay |
|-------------------|-------------|-------------|-----------------|
| FFAP-A32Z-CFV-075 | 914-0037-39 | 914-0036-03 | 940-0001-79 |



FFAP-A32Z-CFV-075

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R404A Medium Temperature Condensing Unit

| Part # | Volts | Phase | BTU Capacity @ 30°F Evap.* | Refrigerant | Compressor | Connection | |
|-------------------|---------|-------|-------------------------------|-----------------------------------|------------------|------------|------------|
| | | | | | | Suction | Discharge |
| M6KP-0075-CFA-072 | 115 | 1 | 7,210 | R-404A, R-407C, R-448A, R-449A | RST55C1E-CFA-102 | 3/8" Sweat | 1/2" Sweat |
| M6KP-0092-CAV-072 | 208-230 | 1 | 8,330 | R-404A, R-407C, R-448A, R-449A | RST64C1E-CAV-102 | 1/2" Sweat | 1/4" Sweat |
| M6KP-0102-CAV-072 | 208-230 | 3 | 9,970 | R-404A, R-407C, R-448A, R-449A | RST64C1E-CAV-102 | 1/2" Sweat | 3/8" Sweat |

* Based on R-404A Refrigerant

R404A Medium Temperature Condensing Unit Capacitors / Relays

| Part # | Run Cap. | Start Cap. | Potential Relay |
|-------------------|-------------|-------------|-----------------|
| M6KP-0075-CFA-072 | 914-0037-17 | 914-0036-09 | 940-0001-62 |
| M6KP-0092-CAV-072 | 914-0037-14 | 914-0008-74 | 940-0001-71 |
| M6KP-0102-CAV-072 | 914-0037-14 | 914-0008-74 | 940-0001-71 |



M6KP-0075-CFA-072

Small Semi-Hermetic Compressors For Refrigeration

| Part # | Volts | Phase | Temperature Application | Refrigerant | Connection | |
|-------------------|---------|-------|----------------------------|---|------------|------------|
| | | | | | Suction | Discharge |
| KALB-010E-CAV-800 | 208-230 | 1 | Low, Medium, High | R-404A, R-502, R-507 | 5/8" Sweat | 1/2" Sweat |
| KALA-016E-TAC-800 | 208-230 | 3 | Low | R-134A, R-404A, R-448A, R-449A, R-507 | 7/8" Sweat | 1/2" Sweat |
| KALB-015E-CAV-800 | 208-230 | 1 | High | R-12, R-134A, R-404A, R-448A, R-449A, R-502, R-507 | | |

Small Semi-Hermetic Compressors For Refrigeration Capacitors / Relays

| Part # | Run Cap. | Start Cap. | Potential Relay |
|-------------------|-------------|-------------|-----------------|
| KALA-016E-TAC-800 | 914-0037-14 | 914-0008-51 | 940-0001-50 |
| KALB-010E-CAV-800 | 914-0037-14 | 914-0008-51 | 940-0001-50 |
| KALB-015E-CAV-800 | — | — | — |



KALA-016E-TAC-800

Outdoor Medium Temperature Scroll Condensing Units

| Part # | Volts | Phase | Temperature Application | Refrigerant | Compressor | Connection | |
|-------------------|---------|-------|----------------------------|---|------------------|------------|------------|
| | | | | | | Liquid | Suction |
| XFAL-030Z-TFC-081 | 208-230 | 3 | Medium | R-404A, R-407A, R-407C, R-448A, R-449A, R-507 | ZXI09KCE-TF5-687 | 1/2" Sweat | 7/8" Sweat |

Antunes Differential Pressure Switches



| Part # | Range | Switch | Mounting |
|------------|----------------|--------|--|
| 802126021 | 0.17" - 12" WC | SPDT | Vertical or Horizontal (Switch cannot be on bottom) |
| 8224212021 | 0.05" - 9" WC | SPDT | Vertical or Horizontal (Switch cannot be on bottom) |


802126021

Dwyer Differential Pressure Switches



Features

- Dial Set Pressure

| Part # | Range | Relay | Mounting |
|-------------|---------------------------------|-------|--|
| ADPS032N | 0.2" - 2.0" WC | SPDT | Vertical (With connections pointing down) |
| ADPS042N | 0.12" - 1.6" WC | SPDT | Vertical (With connections pointing down) |
| ADPS052N | 0.8" - 4.0" WC | SPDT | Vertical (With connections pointing down) |
| Accessories | | | |
| SPT-3.5 | ACI Pitot Tube - 3.5" Insertion | | |


ADPS032N

SPT-3.5

Differential Pressure Switch

Features

- Wide Range
- Universal Pressure Switch

Features

- Small footprint

| Part # | Range | Relay | Mounting |
|-----------|-------------------|-------|--|
| NS2000031 | 0.10" to 10.0" WC | SPDT | Must Be Mounted with Diaphragm Vertical |


NS2000031

Digital Manometers

Features

- Includes zero adjust button, rugged rubber boot, magnetic hanger, auto power off, and backlit dual display (SDMN6 only)

Features

- Measures gas pressure, static pressure, and differential


SDMN5

SDMN6


| Part # | Description | Range | Includes |
|--------|---|-----------------|--|
| SDMN5 | Dual Port Manometer | -60" to +60" WC | (2) 3/16" Tubes with Brass Fittings, (2) 3/15" to 5/16" Tube Adapters (RMA316) and 9V Battery (Installed) |
| SDMN6 | Dual Port Manometer w/ Pressure Switch Tester | -60" to +60" WC | Four Pocket Carrying Case (ANC1), Static Pressure Probes (ASP2s), 3/15" to 5/16" Tube Adapters (RMA316), Quick Connect Leads, Hoses and Y-splitter, Hoses w/ Brass Screw Fittings, and 9V Battery (Installed) |

Yellow Jacket Pressure Test Kit



Features

- Accurately set manifold pressure natural or LP gas
- Easier to use than a manometer and more compact

Features

- Special, sensitive diaphragm Gauge is calibrated in inches of W.C.
- Tube nipple allows easy connection to manifold



78060

| Part # | Description |
|--------|--|
| 78060 | Gas Pressure Test Kit, Use on NAT or LP manifolds 0 - 30" Gauge, Tubing, Tube Nipple (78065) and Brass Barb (78064). (Also available in 0-10" kit - 78056) |
| 78020 | Oil Pressure Test Kit, 0 - 150 psi gauge, 12" hose and fittings |

Silicone Air Line Tubing



| Part # | Description | Inner Diameter | Length | Working Pressure | Temperature |
|-------------|-------------------------------------|----------------|--------|------------------|------------------|
| MA-SRT316-5 | Neoprene Tubing | 3/16" | 5' | 20 PSI | -31°F to +428°F |
| MA-SRT14-5 | Neoprene Tubing | 1/4" | 5' | 5 PSI | -100°F to +500°F |
| Accessories | | | | | |
| 316516 | 3/16" Silicone Tubing for Air Lines | | | | |

Growing together through extensive inventory and expert support from a team that's got **your back**



**Premium Selection.
Personalized Solutions.**



Pressure Controls



| Part # | Description | Pressure Range | Switch | Cap. Length | Connection Size |
|----------|-----------------------|---|---------------|-------------|-----------------|
| O10-1402 | Low Pressure Control | 12" to 50 PSI | SPST Open Low | 36" | 1/4" Flare Nut |
| O10-1483 | | 10" to 100 PSI | SPST Open Low | 36" | 1/4" Flare Nut |
| O10-2054 | Fan Cycling Control | 100 PSI to 400 PSI | SPST | 36" | 1/4" Flare Nut |
| O12-1502 | Dual Pressure Control | Low - 12" - 50 PSI High - 150 PSI - 450 PSI | SPST Open Low | 36" | 1/4" Flare Nut |
| O12-1506 | | Low - 12" - 50 PSI High - 150 PSI - 450 PSI | SPST Open Low | 36" | 1/4" Flare Nut |
| O12-1549 | | Low - 10" - 100 PSI High - 150 PSI - 450 PSI | SPST Open Low | 36" | 1/4" Flare Nut |
| O12-4833 | | Manual OR Auto Reset Low - 12" - 50 PSI High - 150 PSI - 450 PSI | SPST Open Low | 48" | 1/4" Flare Nut |
| O12-4834 | | Manual OR Auto Reset Low - 10" - 100 PSI High - 150 PSI - 450 PSI | SPST Open Low | 48" | 1/4" Flare Nut |
| O16-108 | | 10" - 100 PSI Diff. - 40 PSI - 150 PSI | SDPT | 36"/72" | 1/4" Flare Nut |


O10-1402

O12-4833

Temperature Controls



| Part # | Description |
|----------|--|
| A12-701 | Constant Cut-In Control (41°F) Cut Out 15-31°F |
| A12-700 | Constant Cut-In Control (37°F) Cut Out 11.5-26°F |
| A12-1560 | Constant Cut-In Control (38°F) Cut Out 19-29°F |
| A30-301 | Universal Freezer Cold Control -24°F to 20.5°F (8.5°F Differential) |
| A30-X450 | Universal A/C Control 58°F to 86°F (5°F Differential) |
| A30-261 | Universal Refrig. Control 32°F - 61°F (6°F Differential) |
| A22-1129 | Universal Ice Bin Level Control 35°F - 51°F (6°F Differential) |


A12-701

A22-1129

Electronic Temperature Controls



Universal Heat and Cooling Control for Any Application

| Part # | Description | Volts |
|------------|--------------------------------|---------|
| ETC-111000 | Single Stage (-30°F - 220°F) | 120/240 |
| ETC-112000 | | 24 |
| ETC-211000 | 2 Stage Output (-30°F - 220°F) | 120/240 |
| ETC-212000 | | 24 |


ETC-111000

Refrigeration Controls

| Part # | Description |
|-------------|--|
| P545NCB-22C | Johnson Electronic Oil Failure / Copeland |
| A19AAD-5C | Johnson Remote Bulb Thermostat 30-50°F (Milk Bulk Tanks) |
| A421ABC-02C | Remote Bulb Thermostat - Digital Display (-30°F to +212°F) (120V/240V) |
| A19BBC-2C | Coiled Bulb Temp Control -30°F/100°F Diff 3- 12 Adj. |
| P70AB-12C | Microset Low Pressure Control, 12" to 80# |
| P70LB-6C | Microset Dual Pressure Control Low 12" to 80# - High 100# to 420# |
| P170AB-12C | Microset Low Pressure 12" to 80# |
| P170MA-1C | Microset Dual Pressure Low 12" to 80# - High 100 to 425# |
| P170AA-118C | Fan Cycle Control 100 to 400# |
| V46AA1C | 3/8" Water Reg. Valve, 70-260 PSI |



Full Gauge Controller (Dixell Replacement)

| Part # | Temp. Sensors | Description |
|------------|-------------------|--|
| TC900E2HP | (2) Temp. Sensors | Digital Controller for Freezer Applications 3 Relay Output |
| MT-512E2HP | (1) Temp. Sensors | Digital Controller for Medium and High Temp Applications |





TC-900E 2HP Ver.07
DIGITAL CONTROLLER FOR REFRIGERATION AND DEFROST

Fast Freezing
 Functions lockdown
 Control functions shutdown
 Serial programming
 IP 65 FRONT Protection level

△ Have this manual in the palm of your hand by FG Finder application.





It replaces all of the following:

XR110C, XR10C, XR10CX, XR01CX, XR120C, XR20C, XR20CX, XR02CX, XR130C, XR30C, XR30CX, XR03CX, XR140C, XR40C, XR40CX, XR04CX, XR50CX, XR160C, XR60C, XR60CX, XR06CX, and more!

P30 Lube Oil Protection Controls

ARANGO

Features

- Manual reset, alarm circuit standard
- Field replaceable switch module

Features

- Super Cap® capillary protection system
- Ambient temperature compensated

| Part # | Description | Pressure Range | Time Delay | Connection Size |
|----------|--|----------------|------------|-----------------------|
| P30-5826 | Oil Pressure Control Same as Penn - P45NCA-12C (Copeland) | 9 Fixed | 120 Sec | 36" Cap. w/ Flare Nut |

Copper Fitting Access Valves

Features

- Generous counter bore allows removal of core if flare becomes damaged
- 1/4" SAE flare ends

Features

- Includes cap and valve core
- Pipe connections have internal ODS braze cups for dip tube

| Part # | Description | Outer Diameter | Quantity |
|--------|----------------|----------------|----------|
| A31002 | Tube Extension | 1/8" | 5 Pack |
| A31003 | | 3/16" | |
| A31004 | | 1/4" | |
| A31005 | | 5/16" | |
| A31006 | | 3/8" | |



A31004



Copper Solder Tees

Features

- Extra depth slip fit solder cups
- Bend, cut, flare, swage, or pinch

Features

- Simple installation anywhere along the line

| Part # | Description | Connection Size | Quantity |
|--------|-------------------|----------------------|----------|
| A31134 | Copper Solder Tee | 1/4" ODS x 5/16" ODF | 3 Pack |
| A31135 | | 5/16" ODS x 3/8" ODF | |
| A31136 | | 3/8" ODS x 1/2" ODF | |
| A31138 | | 1/2" ODS | |
| A31140 | | 5/8" ODS | 1 Each |
| A31142 | | 3/4" ODS | |
| A31144 | | 7/8" ODS | |



A31134



Swivel Flare Tees w/ Depressor

Features

- Flare ends are tapped to receive access core
- Add multiple Ports with just one fitting

Features

- Include cap and core valve
- Simple installation without the need for brazing

| Part # | Description | Quantity |
|--------|--|----------|
| A31851 | 1/4" Flare Swivel Nut on Run w/ Depressor | 3 Pack |
| A31852 | 1/4" Flare Swivel Nut on Branch w/ Depressor | |



A31851



Connections You Can Count On.

SUPCO Pressure Controls



| Part # | Application | Cut-On | Cut-OFF |
|--|----------------------|---------|---------|
| Low Pressure Switches | | | |
| SLP2550 | Low Pressure Switch | 50 PSI | 25 PSI |
| SLP2580 | | 80 PSI | 25 PSI |
| SLP4080 | | 80 PSI | 40 PSI |
| SLP90120 | | 120 PSI | 90 PSI |
| High Pressure Switches | | | |
| SHP400200 | High Pressure Switch | 200 PSI | 400 PSI |
| SHP400300 | | 300 PSI | 400 PSI |
| SHP450250 | | 250 PSI | 450 PSI |
| SHP610420 | | 420 PSI | 610 PSI |
| Fan Cycle Controls | | | |
| SFC150225 | Fan Cycle Control | 225 PSI | 150 PSI |
| SFC210275 | | 275 PSI | 210 PSI |
| SFC300400 | | 400 PSI | 300 PSI |
| Manual Reset High Pressure Switches | | | |
| SMR410 | High Pressure | Manual | 410 PSI |
| SMR610 | | Manual | 610 PSI |
| All Supco Pressure Controls are 1/4" Female Flare with depressor and 18" leads. Amp ratings are 5.8A@ 120VAC / 2.9A@ 240VAC | | | |



SLP2580



FPT15



61158

Line Tap Valves

| Part # | Description |
|--------|---------------------------|
| SA-1 | Tap Valves 1/4, 5/16, 3/8 |
| SA-2 | Tap Valves 1/2, 5/8 |

Fin Combs

| Part # | Description |
|--------|-------------------------------------|
| 61158 | Set of 6 - Covers 8 to 20 Fins/Inch |
| FPT15 | 15 Teeth Per Inch Fin Jack |

Replacement Service Valves



| Part # | Description | Size |
|--------|------------------------------|------|
| 17W38 | Armstrong Air 45° King Valve | 3/8" |
| 17W83 | | 3/4" |
| 17W79 | | 7/8" |



17W83

Leaky Service Valve?



**We have the common sizes in stock at a great price.
We'll help get you up and going - quick!!**

Super Booster Hard Start Kits

Features

- Combination relay and start capacitor
- Easy 2-wire installation
- Can be used on PSC type compressors

Features

- PTC positive temperature coefficient relay and capacitor

| Part # | Description | Recommend Range | Torque Increase |
|--------|---------------------------|-----------------|-----------------|
| SPP-5 | Hard Start Compressor Kit | 1/2 - 10 HP | 300% Boost |
| SPP-6 | | 1/2 - 10 HP | 500% Boost |
| SPP-8E | | 1 - 10 HP | 690% Boost |



SPP-6

Start Assist and Relays

| Part # | Description | Volts | HP | Mounting |
|----------|--------------------|-------|------------|---------------|
| URO-41 | Relay/Overload | 115 | 1/4 - 1/3 | Push-on |
| URO-81 | | | 1/12 - 1/5 | |
| URCO-210 | Relay/Cap/Overload | | 1/3 - 1/2 | Quick Connect |
| URCO-410 | | | 1/4 - 1/3 | |
| URCO-810 | | | 1/12 - 1/5 | |



URCO-410

Universal Potential Relay

Features

- Wire-to-Wire replacement for potential motor starting relays
- Instant Restart

Features

- Has adapters to convert screw-on to push-on terminals
- Non-positional mounting

| Part # | Description | Volts | Power Rating |
|--------|--|-------------|--------------|
| SUPR | Potential Relay for Multi-Purpose Applications Replace #63 to #71 w/ this one relay | 110-270 VAC | Up to 5 HP |



SUPR

Universal Potential Relays

Features

- Includes instructions, mounting brackets, spade adapters, and screws

Features

- Terminal connections are screw-type and can be converted to push-on

| Part # | MARS # | Cont. Coil Volts | Pick-Up Min. | Pick-Up Max | Drop-Out Volts |
|--------|---|------------------|--------------|-------------|----------------|
| 19002 | 63 | 170 | 139 | 153 | 55 |
| 19003 | 64 | 395 | 260 | 275 | 120 |
| 19004 | 65 | 332 | 168 | 182 | 90 |
| 19005 | 66 | 395 | 215 | 225 | 120 |
| 19006 | 67 | 420 | 295 | 315 | 125 |
| 19007 | 68 | 502 | 325 | 345 | 135 |
| 19001 | 6 Pack (1 of each of the potential relays listed above) | | | | |



19005

Round Start Capacitors



| MARS # | MFD | Volts |
|--------|---------|-----------|
| 11013 | 145-175 | 110 / 125 |
| 11018 | 233-292 | 110 / 125 |
| 11019 | 270-324 | 110 / 125 |
| 11026 | 540-648 | 110 / 125 |
| 11045 | 88-108 | 220 / 250 |
| 11148 | 124-156 | 220 / 250 |
| 11049 | 145-175 | 220 / 250 |
| 11061 | 72-88 | 330 |
| 11062 | 88-108 | 330 |
| 11063 | 108-130 | 330 |
| 11165 | 124-156 | 330 |
| 11067 | 161-193 | 330 |
| 11068 | 189-227 | 330 |



11067

Bleed Resistor



| Part # | Description |
|--------|---|
| 93106 | QC-13 Bleed Resistor for Start Capacitors |

RHI Pro Tip

This bleed resistor prevents premature failure due to high volts being discharged across the start relay.



93106

Mini Split Capacitors



| Part # | MFD | Volts | Dimensions (H x D x W) |
|--------|-----|-------|------------------------|
| 12380 | 1 | 450 | 1-1/2" x 1/2" x 1" |
| 12381 | 1.5 | 450 | 1-1/2" x 1/2" x 1" |
| 12382 | 2 | 450 | 1-1/2" x 1/2" x 1" |
| 12383 | 2.5 | 450 | 1-1/2" x 3/4" x 1-1/4" |
| 12384 | 3 | 450 | 1-1/2" x 3/4" x 1-1/4" |
| 12385 | 3.5 | 450 | 1-7/8" x 3/4" x 1-3/8" |
| 12386 | 4 | 450 | 1-7/8" x 3/4" x 1-3/8" |
| 12388 | 5 | 450 | 1-7/8" x 3/4" x 1-3/8" |
| 12390 | 6 | 450 | 1-7/8" x 1" x 1-1/2" |



12380

These common style capacitors are found in many of the mini splits today. They are in stock at a **great price!!**

Delivering Confidence

TITAN PRO®

Motor Run Capacitors



TAKE IT TO THE PRO LEVEL

NOT ALL CAPACITORS ARE BUILT THE SAME

FEATURES

- 60,000 Hours of operating Life
- Single and Dual Ratings
- Round and Oval sizes
- Voltage: 370 or 440 (VAC)



Titan PRO™ Motor Run Capacitors

| Part # | MFD | MARS | | Width | Height |
|---------------------------------------|-----|-------|-------|-------|--------|
| | | 370V | 440V | | |
| Oval Capacitors ~ 370/440 dual volts | | | | | |
| TOCF5 | 5 | 12005 | 12029 | 2.03" | 2.17" |
| TOCF7.5 | 7.5 | 12007 | 12031 | 2.03" | 2.17" |
| TOCF10 | 10 | 12008 | 12032 | 2.03" | 2.56" |
| TOCF15 | 15 | 12010 | 12034 | 2.03" | 2.95" |
| Round Capacitors ~ 370/440 dual volts | | | | | |
| TRCF15 | 15 | 12234 | 12210 | 1.77" | 2.56" |
| TRCF20 | 20 | 12237 | 12214 | 1.77" | 2.95" |
| TRCF25 | 25 | 12240 | 12215 | 1.97" | 2.95" |
| TRCF30 | 30 | 12241 | 12217 | 1.97" | 3.35" |
| TRCF35 | 35 | 12243 | 12218 | 1.97" | 3.54" |
| TRCF40 | 40 | 12245 | 12221 | 1.97" | 3.94" |
| TRCF45 | 45 | 12247 | 12223 | 1.97" | 4.33" |
| TRCF50 | 50 | 12251 | 12225 | 1.97" | 4.72" |
| TRCF55 | 55 | 12252 | 12226 | 1.97" | 4.92" |
| TRCF60 | 60 | 12254 | 12227 | 2.17" | 4.53" |
| TRCF70 | 70 | 12258 | 12229 | 2.17" | 4.92" |
| TRCF80 | 80 | 12259 | 12199 | 2.50" | 4.72" |

| Part # | MFD | MARS | Width | Height |
|---|--------|-------|-------|--------|
| TITAN PRO DUAL CAPACITORS ~370/440 DUAL Volts | | | | |
| TRCFD205 | 20/5 | 12260 | 1.97" | 3.74" |
| TRCFD255 | 25/5 | 12261 | 1.97" | 3.54" |
| TRCFD2575 | 25/7.5 | 12262 | 1.97" | 3.74" |
| TRCFD305 | 30/5 | 12264 | 1.97" | 3.94" |
| TRCFD3075 | 30/7.5 | 12282 | 2.50" | 4.13" |
| TRCFD355 | 35/5 | 12283 | 1.97" | 4.13" |
| TRCFD3575 | 35/7.5 | 12284 | 2.36" | 3.54" |
| TRCFD405 | 40/5 | 12286 | 2.36" | 3.54" |
| TRCFD4075 | 40/7.5 | 12287 | 2.50" | 3.74" |
| TRCFD455 | 45/5 | 12288 | 2.50" | 3.74" |
| TRCFD4575 | 45/7.5 | 12289 | 2.50" | 3.74" |
| TRCFD505 | 50/5 | 12290 | 2.50" | 3.94" |
| TRCFD5075 | 50/7.5 | 12291 | 2.50" | 3.94" |
| TRCFD555 | 55/5 | 12292 | 2.50" | 4.13" |
| TRCFD5575 | 55/7.5 | 12293 | 2.36" | 4.33" |
| TRCFD605 | 60/5 | 12294 | 2.31" | 4.33" |
| TRCFD6075 | 60/7.5 | 12295 | 2.36" | 4.53" |
| TRCFD705 | 70/5 | 12255 | 2.50" | 4.92" |
| TRCFD7075 | 70/7.5 | 12166 | 2.50" | 4.92" |
| TRCFD805 | 80/5 | 12257 | 2.50" | 5.31" |
| TRCFD8075 | 80/7.5 | 12216 | 2.50" | 5.12" |

TITAN PRO

Titan PRO™ Oval Run Capacitors



Features

- 60,000 hour reliability
- Metallized polypropylene film

Features

- Meets EIA-456-A & IEC 60252-1:2001 standards

| MARS # | MFD | Volts | Style |
|--------|-----|-----------|-------|
| 12005 | 5 | 370 | Oval |
| 12007 | 7.5 | | |
| 12008 | 10 | | |
| 12010 | 15 | | |
| 12214 | 20 | | |
| 12215 | 25 | | |
| 12217 | 30 | 370 / 440 | Round |
| 12243 | 35 | | |
| 12245 | 40 | | |
| 12248 | 45 | | |
| 12252 | 55 | | |



12005

Dual Capacitors



| Model | MFD | Volts | Style |
|-------|----------|---------|-------|
| 12066 | 25 / 5 | 370 | Oval |
| 12069 | 30 / 5 | | |
| 12072 | 35 / 5 | | |
| 12018 | 35 / 3 | | |
| 12171 | 40 / 5 | | |
| 12174 | 45 / 5 | | |
| 12185 | 35 / 5 | 370/440 | Oval |
| 12189 | 40 / 7.5 | | |
| 12190 | 45 / 5 | | |
| 12191 | 50 / 5 | 370 | Round |
| 12195 | 60 / 5 | | |
| 12261 | 25 / 5 | | |
| 12264 | 30 / 5 | | |
| 12266 | 35 / 5 | | |
| 12269 | 45 / 5 | | |

| Model | MFD | Volts | Style |
|-------|----------|-----------|-------|
| 12281 | 30 / 5 | 370 / 440 | Round |
| 12283 | 35 / 5 | | |
| 12286 | 40 / 5 | | |
| 12288 | 45 / 5 | | |
| 12289 | 45 / 7.5 | | |
| 12290 | 50 / 5 | | |
| 12291 | 50 / 7.5 | | |
| 12292 | 55 / 5 | | |
| 12294 | 60 / 5 | | |
| 12295 | 60 / 7.5 | | |



12286



12066

Did You Know?

You can get up-to-date information on thousands of parts, receive personalized pricing, shop, and more - all at **shop.rhisupply.com**



Turbo™ Universal Run Capacitors

| Part # | Description | MFD | Volts |
|--------|---------------------------------------|----------|-----------|
| 12100 | Universal Run Capacitor - Turbo™ 100 | 2.5-12.5 | 370 / 440 |
| 12200 | Universal Run Capacitor - Turbo™ 200 | 2.5-67.5 | 370 / 440 |
| 12300 | Universal Run Capacitor - Turbo™ 200X | 5.0-97.5 | 370 / 440 |



12200

Turbolytic™ 50 Universal Start Capacitor

| Part # | Description | MFD | Volts |
|--------|--|-----------|------------|
| 11200 | Universal Replacement START Capacitor | 23 to 302 | 125 to 330 |



11200

Can I use a 440V to replace a 370V?

Yes! You can always replace a capacitor with a higher volts rating, but not a higher MFD.

We stock hundreds of capacitors. Odd replacement? Put us to the test!

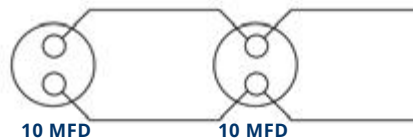
I always see cheaper capacitors out there. Is there really a difference?

Yes! There is a big difference. The Mars and Packard Capacitors stocked at RHI are built to OEM standards. They have 17-20% greater dielectric ratings than most after market replacements.

CAPACITOR BASICS

Parallel Connection:

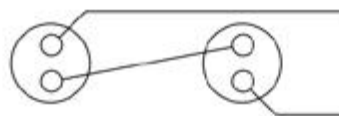
When capacitors are connected in parallel, the mfd rating will be the sum of the individual ratings. This can be expressed in the equation $C_T = C_1 + C_2 + C_3$, etc. The effect of parallel connection is to increase the plate area. The voltage rating of the lowest rated capacitor in the connection becomes the effective voltage of the combination.



= 10 MFD + 10 MFD = 20 MFD
Volts rating in Series is equal to the Sum of the volts of all capacitors.

Series Connection:

When capacitors are connected in series, the total capacitance is always less than that of the smallest capacitor. The effect of connecting capacitors in series is an increase in dielectric thickness thereby reducing capacitance. The formula for determining total capacitance in series connection is:



= 10 MFD / 2 = 5 MFD
Volts in Parallel remains the for each capacitor

The capacitance of two equal capacitors connected in series is one half the value of one capacitor.

10 MFD

10 MFD

Capacitor Clamps

| Part # | Description | Mount | Pack Size |
|--------|------------------------------------|------------|-----------|
| CSX4 | Capacitor Shelf - Screw Slot Mount | Screw Slot | 4 |
| CSWM1 | Capacitor Shelf - Magnetic Mount | Magnetic | 1 |



CSX4

Leak Detection

Nu-Calgon

| Part # | Description | Size |
|---------|-----------------------------|-------|
| 65554 | Better Bubbles Leak Soap | 8 oz |
| 61273 | RectorSeek Leak Soap | 1 gal |
| 4182-24 | Cal-Blue Leak Detector Soap | 1 qt |
| 4182-08 | Cal-Blue Leak Detector Soap | 1 gal |
| 22008 | Leak Detector Soap | 8 oz |



65554



4182-24



22008

Scale Treatment

| Part # | Description | Size |
|---------|-------------------------------|-------|
| 4330-08 | Scale Remover | 1 gal |
| 4330-05 | Scale Remover | 5 gal |
| 4364-88 | Season Treat Boiler Treatment | 5 gal |



4330-08



4364-88

Nu-Calgon

Unique Nu-Calgon Aerosol Products

Nu-Calgon

| Part # | Description |
|---------|---|
| 4082-03 | Electrical Contact Cleaner - Fast Drying, Non-Flammable |
| 4297-75 | Pipe-Dri - Moisture Barrier to Stop Sweating & Dripping of Refrigerant Lines |
| 4296-50 | Pan-Spray - Quick & Economical Answer to Repair Troublesome Leaks |
| 4369-75 | Spray-n-Bond - Formulated Specifically for Insulation & Duct Liner Applications |



Pipe Join Sealant

HIGH SIDE
CHEMICALS INC.

| Part # | Description | Size |
|--------|------------------------------|----------|
| 10001 | Leak Lock® Pipe Join Sealant | 1-1/3 oz |
| 10004 | Leak Lock® Pipe Join Sealant | 4 oz |



10004



10001

Rectorseal

RECTORSEAL

| Part # | Description | Size |
|--------|-----------------|-------|
| 88438 | KO Dirt Blaster | 20 oz |
| 82642 | Zipp Degreaser | 14 oz |



88438



82642

Ice Machine Cleaners

VAPCO

Nu-Calgon

| Part # | Description | Color | Size |
|--------------|------------------|--------|-------|
| Vapco | | | |
| IMC-1/2P | Standard Cleaner | Yellow | 8 oz |
| IMC-1 | | | 1 gal |
| NGCA-1/2P | Nickel Guard | Green | 8 oz |
| NGC-1 | | | 1 gal |



IMC



NGC

| Part # | Description | Color | Size |
|------------------|---------------------------------|-------|-------|
| Nu-Calgon | | | |
| 4207-47 | Ice Machine cleaner | Clear | 8 oz |
| 4207-08 | | | 1 gal |
| 4287-34 | Nickel-Safe Ice Machine Cleaner | Green | 16 oz |
| 4287-08 | | | 1 gal |



4207



4287

Acid Scavenger

Compatible with AB, MO, and POE Oils



Nu-Calgon

4301-02

| Part # | Description |
|---------|-----------------------------|
| 4301-02 | Nu-Calgon Rx Acid Scavenger |

System Additives

Quiets Systems, Drops Amps, and Fixes "Sticky" TXVs



Nu-Calgon

4057-55

| Part # | Description |
|---------|---------------------------|
| 4057-55 | A/C Renew - Unpressurized |

Connect Inject

Same Products - Easier Install - Ask About A/C Restart Today



Nu-Calgon

CONNECT INJECT

| Part # | Description |
|---------|-------------------------------|
| 4057-56 | A/C Re-New |
| 4060-56 | A/C ReStart |
| 4301-06 | Rx-Acid Scavenger |
| 4155-01 | Injector Tool (Can be Reused) |

EasySeal Direct Inject



Nu-Calgon

NEW & IMPROVED EASY SEAL

| Part # | Description | Tonnage |
|---------|---------------------------------|-------------|
| 4050-05 | Small Systems | Less Than 2 |
| 4050-21 | Small Systems with UV Dye | Less than 2 |
| 4050-08 | Large Systems | 2 - 10 |
| 4050-07 | Large System 6 Pack | 2 - 10 |
| 4050-11 | Large Systems with UV Dye | 2 - 7.5 |
| 4050-12 | Large System with UV Dye 6 Pack | 2 - 7.5 |

RX-11 Lineset Flush

| Part # | Description |
|---------|---|
| 4300-08 | Rx-11 Starter Kit (1# Can, Hose, and Gun) |
| 4300-09 | Rx-11 1 Lb Canister (3 - 4 Tons) |
| 4300-11 | Rx-11 2 Lb Canister (5 - 7 Tons) |
| 4300-15 | RX-11 13 Lb Cylinder (up to 50 Tons) |



4300-08



4300-15

Nu-Calgon

Cliplight Super Change

| Part # | Description |
|--------|--|
| 981 | Makes Systems Compatible with POE Up to 6 Tons |
| 20122 | Charging Hose Assembly |



981



20122

DIVERSITECH

Compressor Oils

| Part # | Description | Size |
|----------------------------------|----------------------------------|----------|
| VAPCO Ice Machine Cleaner | | |
| IMC-1/2P | Standard cleaner | 1/2 gal. |
| IMC-1 | Standard cleaner | 1 gal. |
| POE Oil | | |
| 4314-66 | Polyolester (POE) ** Copeland ** | 1 gal. |
| 4316-46 | Polyolester (POE) ** Carrier ** | 1 gal. |
| 4314-46 | Polyolester (POE) ** Tecumseh ** | 1 gal. |
| Mineral Oil | | |
| 4303-07 | C3 Mineral Oil (Same as 3GS) | 1 gal. |
| 4304-07 | C4 Mineral Oil (Same as 4GS) | 1 gal. |



4314-66

Aerosol Coil Cleaners

| Part # | Description |
|---------|---|
| 4291-18 | Nu-Brite - High Foaming Degreases & Cleans Coils Great for Use on Kitchen Grease |
| 4290-75 | Nu-Blast - "The No-Rinse Required" Condenser Cleaner in a Spray Can |
| 4127-75 | Nu-Calgon Blackhawk - Food Safe, Expanding Foam Permeates the Coil, No Fragrance |



4291-18



4290-75



4127-75

Pump Up Sprayers

| Part # | Description | Size |
|---------|-------------------------------|--------|
| 20010 | Vapor Pump Sprayer | 1 gal. |
| 20020 | Vapor Pump Sprayer | 2 gal. |
| MA-8032 | All-Purpose Hand Spray Bottle | 1 qt. |



MA-8032



20010



Quart Sprayer - All-In-One

Features

- Simple Design
- Hook up a garden hose and go
- Everything is included

Features

- No sprayer to get gummed up
- One Qt. will clean (3) 5-ton units

| Part # | Description |
|---------|--------------|
| 4372-24 | Tri-Clean 2x |



4372-24



Polyvinyl Ether Lubricants

| Part # | Description |
|---------|--|
| 4319-14 | PVE Oil Quart - Compatible with all HFCs, Perfect for Retrofits Less Hygroscopic than POE Oils!! |



4319-14



Evaporator Cleaners

| Part # | Description |
|---------|--|
| 4168-08 | Evap Power-C Gallon (The Green Stuff) |
| 4171-75 | Evap Foam 'No-Rinse' 18 oz. Spray ** Our Most Popular Evaporator Cleaner |



Non-Acidic Condenser Cleaners

| Part # | Description | Size |
|---------|---|--------|
| 4178-08 | Foam-Brite High Foam Non-Acidic ** Our Most Popular condenser Cleaner | 1 gal. |
| 4291-08 | NuBrite Coil Cleaner "High Foaming" ** Biodegradable - Non-Acidic | 1 gal. |
| 4120-08 | Alka-Brite Plus Coil Cleaner "High Foaming" ** Biodegradable - Non-Acidic | 1 gal. |



RHI Pro Tip

If you're still using the old acidic coil cleaners - it's time to upgrade.
These non-acidic cleaning solutions are proven performers



Aluminum Coil Cleaners

| Part # | Description | Size |
|---------|--|--------|
| 4190-08 | Cal-Green Perfect for Aluminum Cond. Coils and Microchannel | 1 gal. |
| 4191-08 | Evap-Green Perfect for Aluminum A-Coils and Microchannel | 1 gal. |



Mini Split Cleaning and Servicing Kit

| Part # | Description |
|------------------|---|
| 4151-18* | Complete Care Mini Split Kit |
| Replacement Bags | |
| 4150-01 | Clean Guard - Units Up To 12,000 BTU (1 Ton) |
| 4150-02 | Clean Guard XL - Units 18,000 To 36,000 BTU (1.5 to 3 Tons) |
| 4150-03 | Clean Guard CC - Commercial Ceiling Cassettes |

*Includes

- (2) Tri-Pow'r® HD Aerosol Cans (19 fl. oz)
- (2) Sets of Gel Tabs™ Mini Condensate Tabs
- (1) Clean Guard™ Maintenance Bag (4150-01)
- (1) Nu-Calgon Service Bucket



Everpure® Water Filtration



For Ice Machines and Beverage or Steam Equipment

| Part # | Description | Application | Flow Rate (GPM) | Conn. Size | Capacity (gal.) |
|---------|---|---|-----------------|------------|-----------------|
| 9272-41 | Nu-Plus QC71 Single Filter Head - Pressure Gauge Included | Head Assembly - Single Cartridge | 1.67 | 3/8" FNPT | — |
| 9272-22 | Nu-Plus QC71 Twin Filter Head - Pressure Gauge Included | Head Assembly - Twin Cartridge | 3.34 | 3/4" NPT | — |
| 9272-23 | Nu-Plus QC71 Triple Filter Head - Pressure Gauge Included | Head Assembly - Triple Cartridge | 5 | 3/4" NPT | — |
| 9336-11 | Nu-Plus QC71 Quad Filter Head - Pressure Gauge Included | Head Assembly - Quad Cartridge | 6.67 | 3/4" NPT | — |
| 9612-27 | Nu-Plus i2000 Cartridge | Scale, Taste, Odor, & 1/2 Micron Particulate Removal | 1.67 | — | 9,000 |
| 9612-37 | Nu-Plus i4000 Cartridge | Scale, Taste, Odor, & 1/2 Micron Particulate Removal | 1.67 | — | 12,000 |
| 9618-26 | Nu-Plus 7CB5-S Cartridge Carbon Block Filter | High Particulate, Scale, Odor, Taste, & Contaminate Control | 2.5 | — | 10,000 |
| 9795-80 | Nu-Plus EC-10 Pre-Filter Housing with Cartridge | 10" Pre-Filter Housing with Everpure 10 Micron Pre-Filter | — | — | — |
| 9534-40 | Nu-Plus EC-110 Pre-Filters Cartridge Replacement | 10 Micron Replacement Pre-Filter for use with EC-10 | — | — | — |
| 9795-90 | Nu-Plus EC-20 Pre-Filter Housing with Cartridge | 20" Pre-Filter Housing with Everpure 10 Micron Pre-Filter | — | — | — |
| 9534-20 | Nu-Plus EC-210 Pre-Filter Cartridge Replacement | 10 Micron Replacement Pre-Filter for use with EC-20 Housing | — | — | — |

We have a lot of water filters in stock and have access to almost anything.
Call or Text us with the information off the water filter you are looking for - we'll help you find a replacement!

Beverages Taste Best with Everpure® Filtration

Quality food service products start with the best quality water, which ensure energy efficiency and maximum equipment life. Everpure® products provide proven technology to provide you with premier water for all of your food service needs: drinking water, ice, fountain beverages, coffee and steam.



Drinking Water



Ice



Boiler Steam



Coffee



Espresso



Iced Tea



Fountain Beverages

Cuno Water Filtration



| Part # | Description |
|---------|---|
| 4623-01 | Nu-Plus CFS Head - Single |
| 4623-02 | Nu-Plus CFS Head - Twin (parallel flow) |
| 4623-03 | Nu-Plus CFS Head - Triple |
| 4623-06 | Nu-Plus CFS Head - Twin Series (series flow) |
| 4623-13 | Nu-Plus CFS Cartridge - Stop w/ Scale Inhibitor CFS 8112S, 8720-S, 8812X-S (Cuno) |



Water Filtration for Ice Machines Made Easy

| Recommended System Head | Low Flow Cuber Manitowoc, Scotsman, Ice-O-Matic, Cornelius, Crystal Tips, Follett | High Flow Cuber Hoshzaki | Flake Ice Manitowoc, Scotsman, Ice-O-Matic, Cornelius, Crystal Tips, Follett |
|-------------------------|--|---|---|
| | Pounds of Ice / Day | | |
| 9272-41 | 50 - 650 lbs Use (1) - 9612-27 | — | 50 - 1,500 lbs Use (1) - 9612-27 |
| 9272-22 | 650 - 1,200 lbs Use (2) - 9612-27 | 50 - 650 lbs Use (2) - 9612-37 | 1,500 - 2,500 lbs Use (1) - 9612-27 |
| 9272-23 | 1,200 - 1,600 lbs Use (3) - 9612-37 | 650 - 1,000 lbs Use (3) - 9612-37 | 2,500 - 3,500 lbs Use (3) - 9612-37 |
| 9336-11 | 1,600 - 2,400 lbs Use (4) - 9612-37 | 1,200 - 1,400 lbs Use (4) - 9612-37 | 3,500 - 20,000 lbs Use (4) - 9618-26 |

**For an even longer filter life
- Install the 9795-80 Prefilter housing with 3114-34 bracket -**

Manifold/System Heads



Ice Machine Filters

Prefilters



Yjack Wireless HVAC/R Diagnostic Tools

NEW!
YJ YELLOW JACKET

| Part # | Description | Application |
|--------|-------------------------------------|--|
| 67060 | YJACK PATH Bluetooth Range Extender | Extend your working area and connect up to 8 devices for complete system analysis |
| 67061 | YJACK Temperature Clamp | Measure Temperature For Pipes Up To 1-1/8" |
| 67062 | YJACK Temperature Strap | Measures Temperature For Pipes Up To 6" |
| 67063 | YJACK DEW Psychrometer | For Temperature, Humidity, Wet Bulb, & More |
| 67070 | YJACK Temp Clamp Kit | INCLUDES: (2) YJACK Temperature Clamps, (1) YJACK Path |
| 67071 | YJACK Temperature/Humidity Kit | INCLUDES: (2) YJACK Temperature Clamps, (2) YJACK DEW Psychrometers, (1) YJACK Path in a hard case |


67060

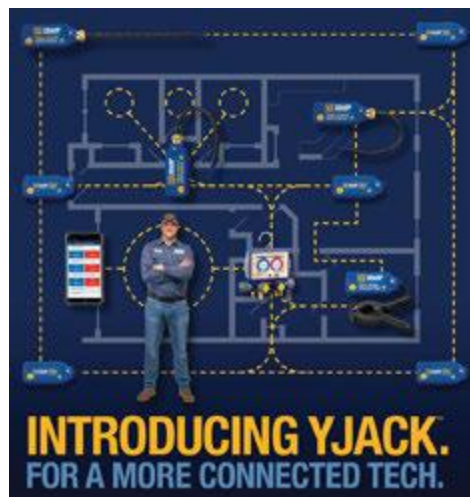
67061

67062

67063

67070

The **YJACK** Series is a network of devices that form a new platform offering a total HVAC/R diagnostics solution. Multiple devices can measure system and environmental parameters. When coupled with the P51 TITAN digital manifold or the YJACK View App the user has the necessary information for complete system diagnostics. Each device utilizes Low Energy Bluetooth (BLE) technology to interconnect with each other and any smart device.



Yellow Jacket P51-870 manifold kit

YJ YELLOW JACKET

| Part # | Description |
|--------|--|
| 40870 | P51-870 Digital 4-Valve Manifold Kit w/ Bluetooth Kit Includes: 4 Port Manifold, Separate Vacuum Sensor, 4 hoses, Wired 2 temp clamps, and backpack |
| 40877 | P51-870 Digital 4-Valve Manifold Kit w/ Bluetooth Kit Includes: 4 Port Manifold, Separate Vacuum Sensor, 3 hoses with ball valves, 3/8 vac hose, 2 1/4" x 5/16" hoses, 2 Wireless temp clamps, and backpack |

40877

40870


Vacuum Screen

P/T Screen

YJACK View app

YJACK PATH™ RANGE EXTENDER

Extend your working area and connect up to 8 devices for complete system analysis



- Connects and re-broadcasts up to (6) YJACK™ devices and (2) P51-870 TITAN® devices at one time
- Adds additional 400 ft line of sight signal range to all YJACK™ and P51-870 TITAN® devices*
- Amplifies signal strength through difficult to penetrate barriers
- Use to circumvent obstructions to your Bluetooth® signal
- Create perimeter with multiple YJACK PATH™ devices for a network of connected devices
- Utilize multiple YJACK PATH™ devices to drastically increase line of sight range
- Compatible with YJACK DEW™, YJACK™ Temperature Clamp, YJACK™ Temperature Strap, and all P51-870 TITAN® devices (requires firmware version v2.0 or later)
- Compatible with the YJACK VIEW™ App
- Simple to operate, one push button start-up
- Operating Temperature: -0.4°F to 131°F (-18°C to 55°C)
- Storage Temperature: -40°F to 122°F (-40°C to 50°C)
- 75 hour continuous duty battery life (2 x AAA included)
- IP52 rated
- 2-year warranty

YJACK™ TEMPERATURE CLAMP

Stop worrying about tangled wires with limited range



- Wireless measurements for surface temperature of pipes up to 1.25" diameter
- Temperature clamp provides strong, secure connection to system
- Flexible cable connection for easy access in small and difficult to reach areas
- Rotating mounting magnet for optimal Bluetooth® transmitter placement
- Bluetooth® 4.2 compliant low energy radio
- 400 ft line of sight signal range*
- Compatible with YJACK VIEW™ App and P51-870 TITAN® devices (firmware version v2.0 or later)
- Rapid Response Time: 10 seconds to 90% of differential TYP**
- Temperature Measurement Range: -40°F to 176°F (-40°C to 80°C)
- Temperature Measurement Accuracy: +/- 1.0 °C TYP**
- Operating Temperature: -0.4°F to 131°F (-18°C to 55°C)
- Storage Temperature: -40°F to 122°F (-40°C to 50°C)
- Long 1200 hour battery life (2x AAA included)
- IP52 rated
- 2-year warranty

YJACK DEW™ PSYCHROMETER

Measure temperature, humidity, wet bulb, dew point and more in ambient air or ventilation ducting



- Wireless measurement of psychrometric parameters with ease
- Measures percent relative humidity, dry bulb temperature, wet bulb temperature and dew point temperature
- Measure enthalpy change across evaporator coil for system operational efficiency
- Features 8" flexible steel wand for optimal sensor positioning within ventilation ducting
- Optimized sensor housing designed for increased air exchange and better response time
- Features high strength mounting magnet for secure attachment to ventilation systems
- Bluetooth® 4.2 compliant low energy radio
- 400 ft line of sight signal range*
- Compatible with YJACK VIEW™ App and P51-870 TITAN® devices (firmware version v2.0 or later)
- Rapid response time
- Relative Humidity Measurement Range: 0 to 100% RH
- Relative Humidity Accuracy: +/- 2.0 %RH TYP (10 to 90 %RH)**
- Temperature Measurement Range: -40°F to 257°F (-40°C to 125°C)
- Temperature Measurement Accuracy: +/- 0.2 °C TYP (-10°C to 80°C)**
- Operating Temperature: -0.4°F to 131°F (-18°C to 55°C)
- Storage Temperature: -40°F to 122°F (-40°C to 50°C)
- Long 1500 hour battery life (2x AAA included)
- IP52 rated
- 2-year warranty

YJACK™ TEMPERATURE STRAP

Easily measure temperature for pipes up to 6" diameter



- Wireless measurement for surface temperature of pipes up to 6" diameter
- Elastic strap creates secure connection and prevents loosening under vibration
- Easy to use quick-release latch for rapid connection and disconnection from system
- Flexible cable connection for easy access in small and difficult to reach areas
- Rotating mounting magnet for optimal Bluetooth® transmitter placement
- Bluetooth® 4.2 compliant low energy radio
- 400 ft line of sight signal range*
- Compatible with YJACK VIEW™ App and P51-870 TITAN® devices (firmware version v2.0 or later)
- Rapid Response Time: 30 seconds to 90% of differential TYP**
- Temperature Measurement Range: -40°F to 176°F (-40°C to 80°C)
- Temperature Measurement Accuracy: +/- 1.5 °C TYP**
- Operating Temperature: -0.4°F to 131°F (-18°C to 55°C)
- Storage Temperature: -40°F to 122°F (-40°C to 50°C)
- Long 1200 hour battery life (2x AAA included)
- IP52 rated
- 2-year warranty

*Radio interference and nearby obstructions may reduce signal strength

**Results may vary with ambient conditions

Speedclean - The Future of Coil Cleaning



| Part # | Description |
|--|---|
| Ductless Mini Split Fan Coil Cleaning Made Less Messy | |
| MSB-KIT | Mini Split Bib-Kit with Bucket (for Mini Split up to 44" wide) |
| MSB-KIT-XL | Mini Split Bib-Kit with Bucket (for Mini Splits 44" to 60" wide) |
| SC-CB | Cassette Bib-Kit (for Ductless Ceiling Units up to 48" wide) |
| CoilShot - Work Smarter | |
| SC-CS-100 | CoilShot Spray Gun (3 easy steps to clean a coil) |
| SC-CS-TABS | CoilShot Tablets (8-Pack) |
| SC-CS-TABS-HD | Heavy Duty CoilShot Tablets (6-pack) (Not approved for Micro Channel) |
| SC-CS-WAND | CoilShot Wand Assembly (Fits thru the top to blast out) |
| CoilJet HVAC Coil Cleaner Systems | |
| CJ-125* | Battery Powered CoilJet - Go Anywhere! |
| CJ-200E* | 120V Powered CoilJet - More Power!! |
| SC-FCC-1 | Speedy Foam - Approved Cleaner for CoilJet, 1 gallon |
| *Speedy Foam is the only approved chemical for use with CoilJet | |



MSB-KIT



SC-CS-100



SC-CS-WAND



CJ-125

Work smarter with the **Mini-Split Bib® Kit** from SpeedClean®

Designed specifically for ductless/mini-split air conditioning systems, the Mini-Split Bib™ Kit from SpeedClean is the **fastest and safest way to clean mini-split coils, fans and more**. It attaches to virtually any mini-split system and allows you to use pressurized water on coils and fans, safely and easily. The mini-split bib kit's patent pending technology

keeps water away from walls and other surroundings and delivers it into the included 5 gallon bucket for proper disposal. Now you can properly **clean coils the way you want to**. And when the work is done, simply pack the kit back into the 5 gallon bucket it comes with and move onto your next job. **Now that's smart.**

RHI Advantage

Need accessories that make your job easier? RHI's got them! Spotted a time-saving tool we don't carry? Let us know!



Hoses and Accessories

| Part # | Description |
|------------|--|
| MA-GH50-EX | 50' Garden Hose w/ Nozzle |
| 810-C | Bull's Eye "Power Nozzle" (50% More Power) |
| MA-0230 | Spray Wand 'Sidekick' - 30" Condenser Wand |



MA-GH50-EX



810-C



MA-0230

R-290 Propane Refrigerant

| Part # | Description |
|---------|---|
| 4175-20 | 13 oz. EcoPure R-290 Refrigerant (Propane) Canister |
| 4175-10 | Nu-Calgon EcoPure Refrigerant Charging Assembly |
| 61003 | Ritchie Precision Scale |
| SH12KIT | ESP Propane Charging Hoses - 12", small diameter hoses |
| 22733 | J/B Patriot R-290, R-32, R-600 - 3 1/8" Gauges Complete with 36" CCLC KOBRA Hose Set |


22733

4175-20

4175-10

Manifolds



| Part # | Description | Hose Conn. | Gauge Size | Valves | MFR | Refrigerant |
|-----------|-------------------------|--------------------|------------|--------|---------|---|
| M2-5-410A | Standard Brass w/ Hoses | 1/4" | 2-1/2" | 2 | JB | R22, R410A, R404A |
| M2-8-410A | Standard Brass | 1/4" | 2-1/2" | 2 | | |
| 24225 | Aluminum Zeppelin | 1/4" | 3-1/8" | 2 | | |
| 25225 | Aluminum Zeppelin | 1/4" & 3/8" Vacuum | 3-1/8" | 4 | | |
| 26225 | Revolver 4-Valve Brass | 1/4" & 3/8" Vacuum | 3-1/8" | 4 | | |
| 26625 | Revolver 4-Valve Brass | 1/4" & 3/8" Vacuum | 3-1/8" | 4 | Ritchie | R32, R454B, R410A A2L COMPATIBLE |
| 42001 | Standard Brass | 1/4" | 3-1/8" | 2 | | R22, R410A, R404A |
| 49963 | Titan Aluminum | 1/4" & 3/8" Vacuum | 3-1/8" | 4 | | |
| 42041 | HP Brass | 1/4" | 3-1/8" | 2 | | R22, R410A, R407C |

Refrigerant Hoses



| Part # | Description | Length |
|----------|--|--------|
| CLV-6 | Hose w/ Whip End and Ball Valve (Red, Yellow, or Blue) | 6" |
| CCLS-36 | Hose Set, w/ Checks | 36" |
| CCLS-48 | | 48" |
| CCLS-60 | | 60" |
| CCLS-72 | | 72" |
| CCLBV-48 | Hose Set, w/ Ball Valves | 48" |
| CCLBV-60 | | 60" |
| CCLBV-72 | | 72" |
| CL6HD-60 | 3/8" Black Heavy Duty Charging / Vacuum Hose | 60" |
| 30260 | A2L Hose - 45° End w/ Left Hand Threads | 60" |
| 30460 | A2L Hose - 45° Ball Valve w/ Left Hand Threads | 60" |


CL6HD-60

CCLBV-60

CLV-6Y

NEW! NEW!

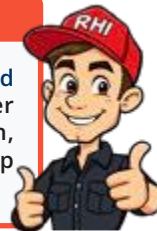
Digital Manifold w/ Micron Gauge



| Part # | Description |
|--------|--|
| SM382V | 3-Port Digital Manifold with Micron Gauge |
| SM482V | Wireless 4-Port Digital Manifold with Micron Gauge |

RHI Pro Tip

Fieldpiece really listened to the contractor when they designed these. Little things like keeping R-22 and R-410A next to each other in the menu instead of alphabetical, Micron Resolution to 1 Micron, a rugged case, a robust 1 year warranty, and a place to put the temp probes when not in use. These manifolds make your life easier.



SM382V



SM482V

Inficon Leak Detectors



| Part # | Description |
|------------|---|
| 705-202-G1 | TEK-Mate Leak Detector-Pump -Battery Operated |
| 717-202-G1 | Compass Leak Detector -Rechargeable - Heated Diode Style |
| 721-202-G1 | D-TEK 3 Leak Detector -Infrared Absorption Cell Style |
| 711-203-G1 | UltraSonic - Listen for the Leak! Works on Refrigerant, Air, Water, Steam |
| 724-202-G1 | Stratus' Leak Detector and Portable Monitor - NextGen Infrared Sensor |



NEW!



705-202-G1



717-202-G1



721-202-G1



711-203-G1



724-202-G1

Testo Smart Probe Kit

Features

- Wireless probe kit for use with iOS and Android devices through free app
- Measurement of high- & low-side pressure without hoses or manifolds

Features

- Automatic superheat / subcooling calculations
- Save results and create custom reports that can be saved or shared via email



A2L
COMPATIBLE

*Includes

- (2) Testo 1151 - Pipe-Clamp Thermometer
- (2) Testo 5491 - Refrigeration Pressure Probe
- Soft Carrying Case

| Part # | Description |
|------------|-------------------------------|
| 0563 0002* | Refrigeration Smart Probe Kit |



Smartphone. Smart Probes. Smart Work.

Cutting-edge diagnostics through innovative tools and seamless phone integration

SMAN DIGITAL MANIFOLD

WITH BUILT-IN VACUUM GUAGE

Your Command Center.

Streamline your HVACR diagnostics with the SMAN Wireless Digital Manifold, providing an all-in-one comprehensive system view.

Measure

- Line pressures, pipe temperatures, dry bulb temperature, and system vacuum

Calculate

- Superheat, subcooling, vapor saturation, liquid saturation and delta T
- Temperature-compensated pressure differential for nitrogen pressure testing

Data Log

- Store up to 9 jobs internally
- Log up to 168 continuous hours

Customize

- Set high and low vacuum alarms
- Field update with new refrigerants



Specifications



| |
|--|
| Operating Environment: 14 to 122 °F (-10 to 50 °C) at <75% RH |
| Storage Environment: -4 to 140 °F (-20 to 60 °C) at <80% RH (w/o batteries) |
| Power Source: (6) AA Batteries |
| Battery Life: 405 hrs (w/ backlight and wireless OFF) |
| Dimensions: 8.75" W x 8.5" H x 3.75" D |
| Suction Line and Liquid Line Ports: 1/4" |
| Dust/Water Restiance Rating: IP55 |

| |
|--|
| Vacuum Port: 3/8" for fast evacuation (SM428V Only) |
| Refrigerant Recovery/Charging Port: 1/4" |
| Display: 5" (12.7 cm) LCD w/ backlight |
| Wireless Range: 1000' (305 m) line of sight |
| Data Port: USB-C for extracting data logs and updating firmware |
| Maximum Manifold Pressure: 870 Psig (6000 kPa) |
| Vacuum: 50 to 9999 microns |
| Temperature Measurement: -50 to 257 °F (-46 to 125 °C) |
| Refrigerants: 70+ refrigerants, including A2Ls |



Shop Online

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Job Link[®] WIRELESS CHARGE & AIR TEST KIT

SETUP A SYSTEM WITHOUT GAUGES

- Directly connects to your mobile device up to 1000' away with the Job Link[®] system app
- Fast accurate temps with new Rapid Rail[®] technology
- Pressures auto calibrate at any elevation
- Configurable psychrometers with flexible probe and sliding magnet

JL3KH6 Includes:



(x2) Pressure Probe



(x2) Pipe Clamp



(x2) Flex Psychrometer



| | | |
|---|---|--|
| 45° angled 1/4" fitting easily connects in tight spaces | LED and beep indication of accurate connection | Place in critical locations based on system needs |
| Pressure sensors accurate at any elevation | Ambient air conditions don't affect measurements | Requires only a 3/8" hole for duct testing |
| Field replaceable gasket | Narrow jaw connects in tight spaces for a range of pipe sizes from 1/4" to 1-3/8" | Flex wand and strong adjustable magnet for hands free measurement |
| Great for critically charged systems | Stabilized in under 5 seconds | Measures %RH, dry and wet bulb, dew point, and enthalpy |
| Automatically calibrates when powered on | Communicates wirelessly with the SMAN [®] Digital Manifolds | Communicates wirelessly with the SMAN [®] Digital Manifolds |



Shop Online

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Quick service checks just got **quicker**.



The next generation of digital manifolds.



Allow us to introduce: Today's way of installing and servicing refrigeration systems and heat pumps. The new generation of digital manifolds from Testo are faster, more reliable, and more flexible than ever before. What was already good, we've made even better:

- larger display with clearer arrangement
- increased durability and convenience of handling
- wireless networking with Bluetooth® 5.0

Testo has introduced the first fully digital manifold onto the market, which allows you to display and evaluate all results in real time, in the testo Smart App. You can see the convincing results here, and if you want, soon hold it in your hand.



Temp Probes and Vacuum Probe



| Model | Part # | Ports | Wired Temp Probes | Wireless Temp Probes | Vacuum Probe | | Rugged Case |
|-------|--------------|-------|-------------------|----------------------|--------------|---|-------------|
| 550 | 0564 5501 01 | 2 | ✓ | — | — | ✓ | ✓ |
| | 0564 5502 01 | | — | ✓ | — | | |
| | 0564 5504 01 | | — | ✓ | ✓ | | |
| 557 | 0564 5571 01 | 4 | — | ✓ | ✓ | ✓ | ✓ |
| 550i | 0564 3550 01 | 2 | — | ✓ | — | ✓ | ✓ |

Platinum Vacuum Pumps

Features

- 2-stage direct drive
- Check valve prevents oil backflow during power failure
- Thermal overload protection

Features

- Gas ballast and blank-off isolation valve
- 15 micron vacuum rating
- 10' lead cord
- Field repairable

| Part # | CFM | HP | RPM | Oil Cap. | Conn. Size |
|----------|-----|-----|------|----------|--------------------|
| DV-85N | 3 | 1/2 | 1725 | 26 oz | 1/4" x 3/8" |
| DV-142N | 5 | 1/2 | 1725 | 22 oz | 1/4" x 3/8" x 1/2" |
| DV-200N | 7 | 1/2 | 1725 | 22 oz | 1/4" x 3/8" x 1/2" |
| DV-240DC | 8 | 1/2 | 1725 | 22 oz | 1/4" x 3/8" x 1/2" |



DV-142N



Platinum Flex AC/Battery Powered Vacuum Pump

Features

- Cordless pump powered by 18V lithium-ion battery or AC
- Check valve prevents oil backflow during power failure

Features

- Gas ballast and blank-off isolation valve
- 15 micron vacuum rating
- Field repairable

| Part # | CFM | RPM | HP | Oil Cap. | Connection Size |
|-------------|-----|------|-----|----------|--------------------|
| DV-142-FLEX | 5 | 1725 | 1/2 | 21 oz | 1/4" x 3/8" x 1/2" |



DV-142-FLEX



SuperEvac™ Vacuum Pumps

Features

- 8' lead cord
- Isolation valve for easy oil changes
- Built-in vacuum indicator gauge
- Large oil bath capacity

Features

- High-efficiency two-stage design with high torque brushless DC motor
- 15 micron vacuum rating
- 3/4" hose exhaust fitting for venting

| Part # | CFM | HP | RPM | Oil Cap. | Conn. Size |
|--------|-----|-----|------|----------|-------------|
| 93540 | 4 | 1/2 | 1725 | 24 oz | 1/4" x 1/2" |
| 93560 | 6 | 1/2 | 1725 | 27 oz | 1/4" x 1/2" |



93540



YJII™ Vacuum Pump

Features

- Thermal overload protection
- Large brass oil drain for fast oil changes

Features

- 25 micron vacuum rating
- 3/4" hose exhaust fitting for venting

| Part # | CFM | HP | RPM | Oil Cap. | Conn. Size |
|--------|-----|-----|------|----------|-------------|
| 93266 | 5 | 1/2 | 1725 | 18 oz | 1/4" x 3/8" |



Bullet™ Vacuum Pumps

Features

- 6' lead cord
- Large brass oil drain for fast oil changes

Features

- 25 micron vacuum rating
- 3/4" hose exhaust fitting for venting

| Part # | CFM | HP | RPM | Oil Cap. | Conn. Size |
|--------|-----|-----|------|----------|--------------------|
| 93600 | 7 | 1/2 | 1725 | 28 oz | 1/4" x 3/8" & 3/8" |



TEZ8™ Vacuum Pump



Save time with the "5 Second Oil Change"

Features

- On-the-fly oil change in sec without losing vacuum
- Reliable starting in temps as low as -40°F

Features

- Adjustable multi-port input
- Two-stage exhaust system
- 20 micron vacuum rating

| Part # | CFM | HP | Oil Cap. | Conn. Size |
|--------|-----|-----|----------------|------------------------|
| TEZ8 | 8 | 1/2 | 8 oz Cartridge | 1/4" x 3/8" (2) x 1/2" |



TEZ8

VP™ Vacuum Pump

With RunQuick™ Oil Change System

Features

- On-the-fly oil change in sec without losing vacuum
- Backlit oil reservoir

Features

- Simple-to-use gas ballast with LED indicator
- 15 micron vacuum rating

| Part # | CFM | HP | RPM | Oil Cap. | Conn. Size |
|--------|-----|--------|------|---------------------|------------------------|
| VP67 | 6 | 1/2 AC | 3440 | (2) 8 oz. Cartridge | 1/4" x (2) 3/8" x 1/2" |
| VP87 | 8 | 3/4 DC | 2500 | (2) 8 oz. Cartridge | 1/4" x (2) 3/8" x 1/2" |



VP87

M18 FUEL™ Vacuum Pump Kit

Features

- Cordless M18™ XC 8.0 battery operated vacuum pump
- Up to 90 minute runtime per charge

Features

- Internal check valve for protecting vacuum
- 25 micron vacuum rating

| Part # | CFM | Oil Cap. | Conn. Size |
|----------|-----|----------|--------------------|
| 2941-21* | 5 | 18.6 oz | 1/4" x 3/8" x 1/2" |



*Includes

- (1) M18 FUEL™ Vacuum Pump
- (1) M18 FUEL™ HIGH OUTPUT™ XC8.0 Battery
- (1) M18™ & M12™ Rapid Charger

EXPERT ADVICE

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Need help selecting the right tool for you next job?
Our knowledgeable sales team is ready to help.

Contact Us Today!

G5Twin Refrigerant Recovery Machine

Our Most Popular!

Features

- Recovers all common refrigerants including R410A liquid and vapor
- Patented twin cylinders and condensers provide ultra-fast recovery

Features

- 2 to 4 times faster than most recovery units
- Pumps liquid & vapor with no throttling
- No purging required

| Part # | Vapor Rec. Rate (410a) | Liquid Rec. Rate (410a) | Push / Pull Rate (410a) |
|---------|------------------------|-------------------------|-------------------------|
| G5-TWIN | 0.31 Lbs / Min | 4.85 Lbs / Min | 9.66 Lbs / Min |



G5-TWIN

Ritchie Refrigerant Recovery Machines

Features

- Recovers all common refrigerants including R410A liquid and vapor
- Patented twin cylinders and condensers provide ultra-fast recovery

Features

- 2 to 4 times faster than most recovery units
- Pumps liquid & vapor with no throttling
- No purging required

| Part # | Description | Vapor Rec. Rate (410a) | Liquid Rec. Rate (410a) | Push / Pull Rate (410a) |
|--------|--------------------------|------------------------|-------------------------|-------------------------|
| 95760 | HORNET™ RecoverXLT® | 0.42 Lbs / Min | 1.98 Lbs / Min | 12.81 Lbs / Min |
| 95730 | YJ-LTE™ Recovery Machine | 0.35 Lbs / Min | 9.24 Lbs / Min | 10.91 Lbs / Min |



95760

F6 Refrigerant Recovery Machine

Dual Piston Refrigerant Recovery

Features

- Full one horsepower motor
- Powerful dual piston compressor
- Self-purge without changing hoses

Features

- Simple two valve operation
- Micron-channel condenser for industry leading recovery rates

| Part # | Vapor Rec. Rate (410a) | Liquid Rec. Rate (410a) | Push / Pull Rate (410a) |
|--------|------------------------|-------------------------|-------------------------|
| F6-DP | 0.48 Lbs / Min | 10.6 Lbs / Min | 15.25 Lbs / Min |



F6-DP

Accessories

| Part # | Description |
|--------|---|
| MT69 | CPS PRO-SET® Molecular Transformer Increases Performance of any Recovery Machine |
| MGAVCT | Appion 1/4" Valve Core Removal Tool |
| MGAVCR | Appion 5/16" Valve Core Removal Tool |



MT69



MGAVCT

Vacuum Pump Oil

| Part # | Size |
|--------|-----------------|
| DVO-1 | One Shot - Pint |
| DVO-12 | Quart |
| DVO-24 | Gallon |



DVO-1



DVO-12



DVO-24



Micron Gauges



| Part # | Description |
|--------|--|
| AV760 | Appion Digital Micron Gauge, Wireless to your phone! |
| DV-41 | JB Digital Micron Gauge with Case |
| MG44 | Fieldpiece Digital Wireless Micron Gauge |
| VG-64 | Supco Digital Micron Gauge |
| 69020 | Yellow Jacket Digital Micron Gauge |
| 552i | Testo 0564 2552 01 Wireless Micron Gauge |


DV-41
AV760

VG-64

69020

552i

MG44

Appion Mega Flow



| Part # | Description |
|----------|---|
| MGABAS | MegaFlow 1/2" Hose and Valve Core Remover |
| SPDKIT-V | MegaFlow Vacuum Speed Kit - Includes: (2) 1/2" Hoses, (4) Valve Core Removers, (2) Speed Y and Bag! You'll never complain about speed! |


MGABAS

SPDKIT-V

Universal Refrigerant Locking Caps

| Part # | Description |
|--------------|---|
| SHLD-MULTI | Universal Locking Cap Key |
| SHLD-U4 | Universal Locking Caps - 4 Pack |
| SHLD-U12 | Universal Locking Caps - 12 Pack (Key Included) |
| SHLD-E12 | 5/16" Locking Caps - 12 Pack (Key Included) |
| SHLD-A2L50 | 1/4" A2L Locking Caps - 100 Pack w/ 3" driver and 1 Bit |
| SHLD-A2L100 | 1/4" A2L Locking Caps - 100 Pack w/ 8" driver and 2 Bits |
| SHLD-E50-A2L | 5/16" A2L Locking Caps - 50 Pack w/ 3" driver and 1 Bit |
| 86672 | Novent R-410A 5/16" Locking Cap - 2 Pack |
| 86682 | Novent R-410A 1/4" Locking Cap - 2 Pack |
| 86698 | Novent Multi-Key |


SHLD-MULTI
SHLD-A2L100
86672
86698

A2L Adapter Fittings



| Part # | Description | Connection |
|-------------|-----------------------------|----------------------------------|
| 19124 | A2L Adapter (Straight) | 1/4" LH FFL x 1/4" RH Male Flare |
| CV-LH-20004 | A2L Adapter For 90 lb Tanks | 3/4" LH NPT x 1/4" RH Male Flare |


CV-LH-20004

19124

Dual-Sided Reversible Hex Driver - Cleanable



| Part # | Description | Length | Hex Opening |
|--|---------------------------------------|---------|--------------|
| Dual-Sided Reversible Hex Driver - Cleanable | | | |
| MSHC | Hex Driver | 2" | 1/4" & 5/16" |
| MSHLC | Hex Driver | 2 5/8" | |
| MSHMLC | Hex Driver | 4" | |
| MSHXLC | Hex Driver | 6" | |
| MSHC1 | Hex Driver | 2" | 5/16" & 3/8" |
| MSHLC1 | Hex Driver | 2 5/8" | |
| MSHMLC1 | Hex Driver | 4" | |
| MSHXLC1 | Hex Driver | 6" | |
| Chucks - Magnetic | | | |
| MSH 1/4 | Hex Chuck Driver | 1-3/4" | 1/4" |
| MSHL 1/4 | Long Hex Chuck Driver | 2-9/16" | |
| MSH 5/16 | Hex Chuck Driver | 2-9/16" | 5/16" |
| MSHL 5/16 | Long Hex Chuck Driver | 2-9/16" | |
| Ratcheting Driver | | | |
| CONNEXT3 | Ratcheting Handle for Magnetic Chucks | — | — |
| Ratcheting Driver Kit | | | |
| CONNEXT4 | 9 Pc. Magnetic Hex Hand Driver Kit | — | — |



MSHC



MSHC1



C-RHEX Sawtooth Magnetic Hex Driver - Reversible



| Part # | Description | Hex Opening | Shaft Length |
|---------|--|--------------|--------------|
| MSHCST | Specialized Tool Designed to Remove Screws Coated with Sealant | 1/4" & 5/16" | 2" |
| MSHXLST | | 3/8" & 7/16" | 6" |



Nut Drivers - Magnetic



| Part # | Description | Hex Opening |
|--------|---|-------------|
| HHD1S | Magnetic Hex Driver w/ Connex Standard Handle | 1/4" |
| HHD2S | | 5/16" |
| HHD1 | Magnetic Hex Driver w/ Connex Long Handle | 1/4" |
| HHD2 | | 5/16" |



HHD2

Bit Holder "Quick Change" Extensions



| Part # | Description | Length |
|--------|---|--------|
| BHE6 | Quick Push Receiver - Impact Driver rated | 6" |
| BHE10 | | 10" |



BHE10 & BHE6

Zip-In Screws

| Part # | Screw Size | Head Size | Pkg. Qty. |
|------------|------------|-----------|------------------|
| HW7X1/2ZT | #7 x 1/2" | 1/4" | 1,000 Tub |
| HW7X1/2Z | | | 15,000 Bulk Pack |
| HW8X1/2ZX | 100 Box | | |
| HW8X1/2ZT | #8 x 1/2" | | 1,000 Tub |
| HW8X1/2Z | | | 12,000 Bulk Pack |
| HW8X3/4ZX | #8 x 3/4" | | 100 Box |
| HW8X3/4ZT | | | 1,000 Tub |
| HW10X1/2ZX | #10 x 1/2" | | 100 Box |
| HW10X1/2ZT | | | 1,000 Tub |

Bit Tip Screws

Malco

| Part # | Screw Size | Head Size | Pkg. Qty. |
|--------|--------------|-----------|-----------|
| BT131X | #8-18 x 1/2" | 1/4" | 100 Box |
| BT131T | | | 1,000 Tub |
| BT132X | #8-18 x 5/8" | | 100 Box |
| BT132T | | | 500 Box |
| BT133X | #8-18 x 3/4" | | 100 Box |
| BT133T | | | 500 Box |


BIT TIP SCREW

ZIP IN SCREW

TurboCrimper® - Impact Driver Attachment

Malco

Features

- Crimps 24 to 30 gauge galvanized round and spiral duct
- 5x faster than crimping by hand

Features

- Required 12V (minimum) cordless or 7A (maximum) corded impact driver with 1/4" quick release chuck


C5A2

| Part # | Description |
|--------|--|
| C5A2 | 20-24 Gauge Pipe Crimper Using a Drill |

Adjustable Hole Cutter

Malco

| Part # | Description |
|--------|--|
| HC1 | Sheet Metal Hole Cutter - The Gold Standard. |
| CB | Replacement Cutter Bit for HC1 |


HC1

Sheet Metal Hammers

Malco

| Part # | Description |
|--------|---|
| SH3 | 18 oz Setting Hammer with Leather Grip |
| RH4 | 12 oz Riveting Hammer with Leather Grip |


SH3

Hand Tools

Malco

| Part # | Description |
|--------|------------------------|
| C5R | Pipe Crimper |
| S2R | Hand Seamer |
| S3R | Offset Hand Seamer |
| S6R | Big 6" Wide Jaw Seamer |


S6R

Uniweld "B" Tank Torch Kits

Professional grade kit used for soldering and brazing

Features

- Twister swirl combustion tips produce efficient high-energy flames that are stable in windy conditions
- Premixes the fuel gas and air for maximum combustion

Includes

- Regulators fitted with protective rubber gauge boots
- Acetylene hose with (A) fitting connection
- Tank key with security chain

| Part # | Description | Tips |
|--------|-------------------|-------------------------|
| X3BU | Twister Torch Kit | A-3, A-11 Twister® Tips |
| X4BU | | A-5, A-14 Twister® Tips |



Hand Torches

| Part # | Description |
|---------|--|
| 1400356 | Harris Self Igniting Torch - replaces the Lenox / Worthington LT91 |
| MAPP | Tank of MAPP Gas for 1400356 |
| PROP | Tank of Propane for 1400356 |



Uniweld Oxy/Acetylene Kits (Less Tanks)

Capable of brazing up to 1" copper tubing and welding up to 1/8" steel (with supplied tips)

| Part # | Description |
|---------|--|
| KC100P | Centurion Weld, Braze Outfit with 511 Plastic Carrying Stand Includes: Type17-0 Type 17-2 Brazing Tips |
| KLC100P | Centurion Weld, Braze Outfit with 511 Plastic Carrying Stand. Includes: Type17-0 Type 17-2 Brazing Tips & CA100 CT100-0D Cutting Tips |



TANKS NOT INCLUDED

TurboTorch "Tote / Kit"

| Part # | Description |
|-----------|---|
| 0386-0578 | B Tank - Rolling Tote - Solder/Braze Kit, TDLX2010B |

KIT INCLUDES:

- Durable Tote Case
- PL - 8A and A - 3 Tips
- G4 Torch Handle
- AR - B Regulator
- AH - 12 Hose
- Tank Key



*LIFT FROM CARRY HANDLE ONLY



Reciprocating Blades - Sawzall

| Part # | Application | Teeth |
|--|--|------------------------|
| 614R | Metal | 6" / 14 Teeth per Inch |
| 618R | Metal / Rough Wood | 6" / 18 Teeth per Inch |
| 624R | Light Metal (18 GA.) | 6" / 24 Teeth per Inch |
| 656R | Rough-In Wood | 6" / 6 Teeth per Inch |
| 800RG | Ceramic Tile, Brick, Clay, Fiberglass, Marble | — |
| Gold and Carbide Blades Also Available | | |
| Blades in Bulk | | |
| B614R | Bundle and Save! Available in 25 Count Bulk Packages | |
| B618R | | |
| B624R | | |
| B656R | | |


614R

B656R

Hole Saws

| Part # | Application | Diameter |
|--------|-----------------------------|----------|
| 56HC | Designed for 3" PVC | 3-5/8" |
| 74HC | Designed for 4" PVC | 4-5/8" |
| 69HC | Designed for 4" Sheet Metal | 4-5/16" |

Hole Saws Kits

| Part # | Application |
|---------|--|
| 600L | 6 Piece "Electrician" Kit |
| 600R | 6 Piece "Refrigeration" Kit |
| 1200L | 12 Piece "Deluxe" Kit (Our Most Popular Kit) |
| 1815139 | 6-Piece "Speed Slot" Hole Saw Kit |


1200L

Pipe Cutters

| Part # | Cutting Capacity | Style |
|--------|------------------|---------------|
| 21008 | 1/8" to 5/8" | 'IMP' Style |
| 21009 | 1/8" to 1" | |
| 21010 | 1/2" to 1-1/8" | |
| 21011 | 1/8" to 1-3/8" | Ratchet Style |
| 21012 | 1/8" to 1-3/4" | |
| 21013 | 1/4" to 2-5/8" | |


21010

21013

Folding Utility Knife

| Part # | Application |
|------------|-----------------------|
| 10771LFK1G | Locking Utility Knife |


10771LFK1G

"PVC / PEX" Tube Cutters

| Part # | Application | Cutting Capacity |
|-----------|--------------------|------------------|
| 12121 | PEX Tubing Cutting | Up To 1" |
| 1924663 | PVC Tubing Cutting | Up To 1" |
| LXHT80822 | Ratcheting Cutting | Up To 1-5/8" |

Tight Space Tubing Cutters

| Part # | Application | Cutting Capacity |
|-----------|---------------------------|------------------|
| 14830TS12 | Tight Space Tubing Cutter | 1/2" |
| 14831TS34 | | 3/4" |
| 14832TS1 | | 1" |



Crescent Tools

CLOSEOUT PRICING - CALL US TODAY!



| Part # | Description |
|------------|--|
| M3P | Wiss Aviation Snips Black Coated 18 Gauge Bulldog, Yellow Handle |
| M6P | Wiss Tradesman Offset Aviation Snips Black Coated 18 gauge, Red Handle |
| M7P | Wiss Tradesman offset aviation snips black coated 18 gauge, Green Handle |
| CAUGSET-30 | Crescent 30Pc u-GUARD™ (Non-marring) Fastening Set |
| 82882 | Spring Assisted Folding Pocket Knife |
| RTAB6CG | 6" Auto-Bite Pliers w/ Cushion Grip |
| RTAB8CG | 8" Auto-Bite Pliers w/ Cushion Grip |
| RTAB10CG | 10" Auto-Bite Pliers w/ Cushion Grip |
| RTAB12CG | 12" Auto-Bite Pliers w/ Cushion Grip |
| 86996 | Kneeling Pad with Magnetic Tray and Tool Tray |
| CSWS38B | Crescent X10, 3/8" 20Pc SAE/Metric Socket Set |
| CCWS2-05 | 10 Pc Combination Wrench Set, SAE |



M3P



M6P



M7P



CAUGSET-30



82882



86996



CSWS38B



CCWS2



RTAB6CG



Klein Tools



| Part # | Description |
|----------|---|
| 631M | 7 Piece Nut Driver Set (Cushion Grip-Hollow-Magnetic) (3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2") |
| 630-1/4 | 1/4" Cushion Grip 3" Short Nut Driver |
| 630-5/16 | 5/16" Cushion Grip 3" Short Nut Driver |
| 646-1/4 | 1/4" Cushion Grip 6" Long Nut Driver |
| 646-5/16 | 5/16" Cushion Grip 3" Long Nut Driver |
| 85076 | 7 Piece Screw Driver Set |
| J207-8CR | Journeyman's Multi Pliers, Stripper, Crimper |
| 11055 | Wire Stripper / Cutter - Professional Grade |
| 9225 | Klein's Fancy Tape Measure (see Below) |
| 32527 | 11-n-1 With Schrader Core - One of our Best Sellers! |
| 65200 | Slim Profile, Mini Ratchet Set |
| IR1 | Infrared Thermometer, 10:1, -4°F to 752°F |
| TI250 | Thermal Imager, -4°F to 752°F, Rechargeable |
| ET20 | WiFi Borescope |
| CL320KIT | CL320 Clamp-on Meter, IR07 Dual IR/Probe Thermometer, NCVT3P Non-Contact Volt Tester with Flashlight |

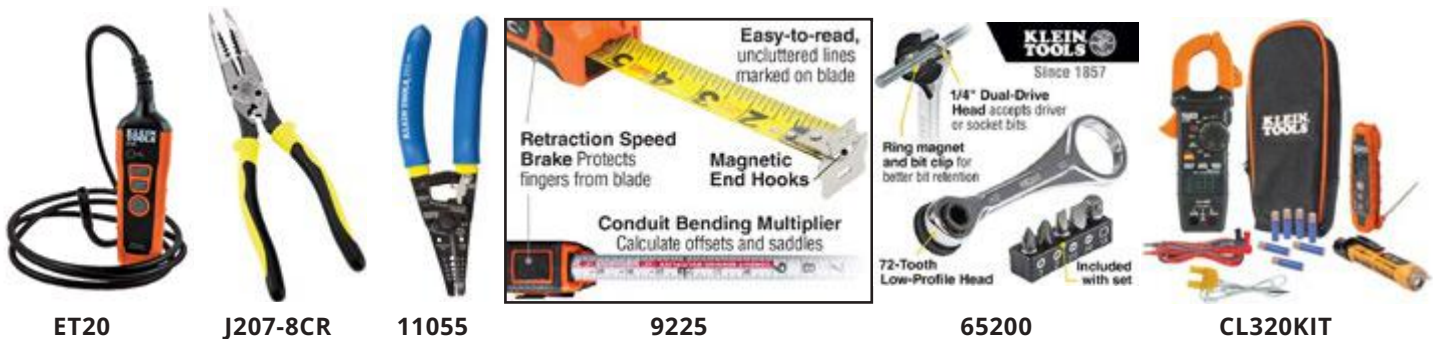


TI250

IR1

RHI Advantage

We know you can buy Klein anywhere. We will treat you right on pricing and as always - warranty is hassle free.



ET20

J207-8CR

11055

9225

65200

CL320KIT

Channel Lock Tools



| Part # | Description |
|--------|--|
| 39100 | 16 piece Uni-Fit Pass Thru Socket Set 1/4" & 3/8" Sockets Drive 47 Sizes and Styles: SAE, Metric, External TORX®, Spline, Square |



39100

Need Help Finding Your Next Time-Saving Tool?

Our specialists will help you find the right professional-grade tools to **increase efficiency** and **reduce job time**.



Veto Pro Pac® - Backpacks

| Part # | Application |
|-------------------|--|
| TECH PAC | <i>TECH PAC</i> 56 Tiered Pockets // 4 Storage Platforms |
| TECH PAC CAMO | <i>TECH PAC w/- TrueTimber Camo</i> 34 Pockets - Manifold & Hose Storage Pocket |
| TECH PAC BLACKOUT | <i>TECH PAC BLACKOUT</i> 46 Tiered Pockets // Removable Tool Pocket Panels!! |



TECH PAC BLACK



TECH PAC CAMO

TECH PAC

Veto Pro Pac® - Tool Bags

| Part # | Application |
|----------|--|
| TECH LC | <i>TECH LC</i> 53 Tiered Pockets // 6 Zippered Pockets 19" High x 13.5" Long x 9.5" Wide |
| TECH XL | <i>TECH XL</i> 80 Tiered Pockets // 14 Neoprene Pockets 20.75" High x 16.5" Long x 9.5" Wide |
| TECH MCT | <i>TECH MCT</i> 44 Pocket of Varying Size // 2 Storage Bays 14" High x 10" Long x 8" Wide |



TECH MCT



TECH LC

Veto Pro Pac® - Tool Pouches

| Part # | Application |
|--------|--|
| MB | <i>Mini Bag</i> 10 Vertical Pockets // 2 Meter Pockets 9" High x 8" Long x 3" Wide |
| MB2 | <i>Mini Bag 2 - (Taller Version of the MB)</i> 10 Vertical Pockets // 2 Meter Pockets 13" High x 8" Long x 3" Wide |



MB



MB2

WHY VETO PRO PAC?



**VERTICAL TOOL STORAGE AND
CENTER PANEL DESIGN**



**ERGONOMIC, OVER-MOLDED
CARRYING HANDLE**



**WATERPROOF, INJECTION
MOLDED BASE**

Veto Pro Pac® - Blackout Build-Out Backpacks



| TECH PAC BUILDOUT | TECH PAC Backpack without panels. (Must add at least 2 panels) Allows you to switch out as needed. |
|----------------------|--|
| TPBF | Tool Panel for Tech Pac Blackout Build-Out |
| TPBB | Meter Panel for Tech Pac Blackout Build-Out |
| TPBL | Laptop Panel for Tech Pac Blackout Build-Out |
| TPBS | Bulk Storage Panel for Tech Pac Blackout Build-Out |
| TECH PAC MC BUILDOUT | TECH PAC MC Backpack without panels. (Must add at least 2 panels) Allows you to switch out as needed. |
| TPMBF | Tool Panel for Tech Pac MC Blackout Build-Out |
| TPMBB | Meter Panel for Tech Pac MC Blackout Build-Out |
| TPMBL | Laptop Panel for Tech Pac MC Blackout Build-Out |
| TPMBS | Bulk Storage Panel for Tech Pac MC Blackout Build-Out |



These bags are fantastic! You buy one shell of a bag and then have panels to insert depending on the job you are headed to. You could have the panels preloaded for quick swap out.

FORCE LOGIC™ Pressing Tools

| Part # | Description | Battery Type | Jaw Size |
|---------|--|--------------|------------------------------------|
| 2473-20 | Pressing Tool | M12™ | — |
| 2473-22 | Pressing Tool Kit w/ Jaws | M12™ | 1/2", 3/4", 1" |
| 2922-22 | Pressing Tool Kit w/ Jaws ONE-KEY™ Enabled | M18™ | 1/2", 3/4", 1", 1-1/4", 1-1/2", 2" |



2922-22

Pivoting Press Ring Kit

For Use With FORCE LOGIC™ Pressing Tools

| Part # | Description | For Use With | Battery Type |
|-------------|-------------------------|--|--------------|
| 49-16-2490X | Pivoting Press Ring Kit | Copper & CTS Stainless Steel | M12™ |
| 49-16-2496X | | Black Iron & 304/316 Stainless Steel | |
| 49-16-2692X | | Copper & CTS Stainless Steel | M18™ |
| 49-16-2697X | | Black Iron & 304/316 Stainless Steel | |



49-16-2496X

49-16-2490X

Chargers / Power Supplies

| Part # | Description | Battery Type |
|------------|--|--------------|
| 48-59-1812 | M12™ / M18™ Multi-Voltage Charger | M12™ / M18™ |
| 48-59-1211 | M12™ TOP-OFF™ Power Supply and Charger | M12™ |
| 2846-20 | M18 TOP-OFF 175W Power Supply | M18 |



48-59-1812

48-59-1211

2846-20

FUEL™ Drill / Driver Two Tool Combo Kits

| Part # | Description | Battery Type |
|---------|---|--------------|
| 3497-22 | M12™ FUEL™ Drill / Driver Tool Combo Kits Includes: • (1) 1/4" Hex Impact Driver • (1) 1/2" Drill Driver • (2) M12 Batteries, (1) Charger, & (1) Case | M12™ |
| 3697-22 | M18™ FUEL™ Drill / Driver Tool Combo Kits Includes: • (1) 1/4" Hex Impact Driver • (1) 1/2" Drill Driver • (2) M18 Batteries, (1) Charger, & (1) Case | M18™ |



3497-22

Lighting

The Solution to Dark Mechanical Rooms

| Part # | Description | Lumens | Battery Type |
|---------|------------------------------|---------------------|------------------------|
| 2364-20 | ROVER™ Mountable Flood Light | 250 / 500 / 500 | M12™ |
| 2365-20 | ROVER™ Mountable Flood Light | 500 / 1,000 / 2,000 | M18™ |
| 2132-20 | ROCKET™ Tower Light | 1,400 | M12™ or Extension Cord |



Gloves

| Part # | Description | Material | Size | Color |
|------------|-------------------------------------|-----------|------|-------------|
| 48-22-8733 | Demolition Gloves | Armortex® | XL | Black / Red |
| 48-22-8903 | Dipped Utility Gloves | Nitrile | XL | Red |
| 48-22-8953 | Cut-Resistant Dipped Utility Gloves | Nitrile | XL | Gray |



Unique Solutions

HVAC Time Savers

| Part # | Description | Battery Type |
|---------|--|--------------|
| 2471-21 | Cordless Copper Tubing Cutter 3/8" - 1" | M12™ |
| 2479-20 | Cordless Copper Tubing Cutter 1-1/4" - 2" | |
| 2475-20 | Compact Inflator - This little guy kicks butt! | |
| 2476-20 | Nibbler | |
| 2420-21 | Hackzall Reciprocating Saw | |
| 2522-20 | Compact Cut Off Tool | M18™ |
| 2470-21 | PVC Pipe Shear | |
| 2771-20 | Transfer Pump | |
| 2719-20 | Hackzall Reciprocating Saw | |
| 2829-22 | Band Saw | |
| 2880-20 | 4-1/2" / 5" Grinder, Paddle Switch No-Lock | |



2471-21



2719-20



2771-20



2829-22



2475-20



2475-20

Power Up Your Projects With Milwaukee®

These are our most sought-after Milwaukee tools. Don't see the Milwaukee tool you're looking for?

We have access to the entire Milwaukee® catalog, and we're dedicated to getting you the right tool, right now.

Give us a call - We're ready to help!

PACKOUT™

MOST VERSATILE DURABLE MODULAR STORAGE SYSTEM

- FULLY CUSTOMIZE YOUR STORAGE™
- IMPACT RESISTANT™
- IP65 RATED PROTECTION™

The Milwaukee Packout System has become very popular. They are adding new pieces all the time. They are often available with promotions and other deals - call us to get the most current pricing and get organized!

PACKOUT™ MODULAR STORAGE SYSTEM

MOST VERSATILE DURABLE MODULAR STORAGE SYSTEM

- IP65 RATED PROTECTION™
- Bottle Opener
- Interior Storage Tray
- 16 Quart Capacity
- IMPACT RESISTANT BODY™
- HOLDS ICE FOR 30 HRS™
- Modular Connectivity with All PACKOUT™ Components

IMPACT RESISTANT BODY™ **9" ALL-TERRAIN WHEELS™**

- Modular Connectivity with All PACKOUT™ Components
- Metal Reinforced Locking Point
- IP65 Rated Protection
- Industrial-Grade Extension Handle
- Interior Organization Tray
- Metal Reinforced Corners

| Model # | Description | Weight Capacity |
|------------|---------------------------|-----------------|
| 48-22-8427 | PACKOUT™ Rolling Tool Box | 250 lbs |

IP65 RATED PROTECTION™ **METAL-REINFORCED CORNERS™**

- Metal Reinforced Locking Point
- IP65 Rated Protection
- Also Available: PACKOUT™ Tool Box 48-22-8424
- Modular Connectivity with All PACKOUT™ Components
- Metal Reinforced Corners

| Model # | Description | Weight Capacity |
|------------|-------------------------|-----------------|
| 48-22-8424 | PACKOUT™ Tool Box | 75 lbs |
| 48-22-8425 | PACKOUT™ Large Tool Box | 100 lbs |

IP65 RATED PROTECTION™ **CUSTOMIZE YOUR INSERT™**

- 75lbs Weight Capacity
- Impact Resistant Polymer Construction
- Reinforced Locking Point
- Also Available: PACKOUT™ Customizable Foam Insert 48-22-8451
- IP65 Rated Protection
- Modular Connectivity with All PACKOUT™ Components

| Model # | Description | Weight Capacity |
|------------|---|-----------------|
| 48-22-8450 | PACKOUT™ Tool Case with Customizable Insert | 75 lbs |
| 48-22-8451 | PACKOUT™ Customizable Foam Insert | |

IMPACT RESISTANT BODY™ **IP65 RATED PROTECTION™** **NO-TRAVEL BIN SEALS™**

- No-Travel Bin Seals
- IP65 Rated Protection
- Modular Connectivity with All PACKOUT™ Components
- Removable & Mountable Bins
- Impact Resistant Polymer Base
- Also Available: PACKOUT™ Compact Organizer 48-22-8435

| Model # | Description |
|------------|----------------------------|
| 48-22-8430 | PACKOUT™ Organizer |
| 48-22-8435 | PACKOUT™ Compact Organizer |

IMPACT RESISTANT BODY™ **IP65 RATED PROTECTION™** **NO-TRAVEL BIN SEALS™**

- No-Travel Bin Seals
- IP65 Rated Protection
- Modular Connectivity with All PACKOUT™ Components
- Removable Bins
- 6 Removable Bin Dividers
- 5 Removable Bins
- Impact Resistant Polymer Base
- Low-Profile Design
- Also Available: PACKOUT™ Low-Profile Organizer 48-22-8431

| Model # | Description |
|------------|--|
| 48-22-8431 | PACKOUT™ Low-Profile Organizer |
| 48-22-8436 | PACKOUT™ Low-Profile Compact Organizer |

BUILD YOUR SYSTEM

Re-Tool and Conquer

| Part # | Description |
|---------|--|
| HLC007 | Line Cleaning Kit, 3/8" through 1-1/8" |
| 1839032 | Compact Bender Kit (1/4" thru 7/8" - In a hard Case) |
| 1838947 | Quick-Engage Flare & Swag Kit (3/16 - 3/4) 1-Bar, 1-Quick Engage Yoke. S-Heads & Case |
| 1839015 | Compact Swag Tool (3/8 - 7/8) In a case 5-Expander Heads, Deburrer & Swag Tool |
| 1937685 | Orbital Flare Kit all In a durable case Includes: Cutter/ Orbital Flare / Reamer |

hilmar



1839032

See the Line Cleaning Kit In Action!



1937685



1838947



1839015



HLC007

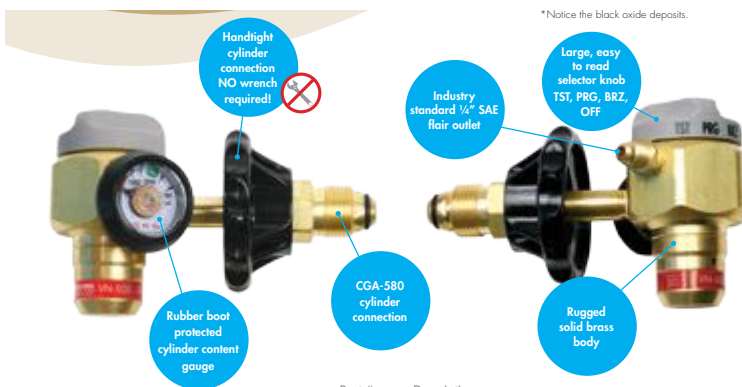
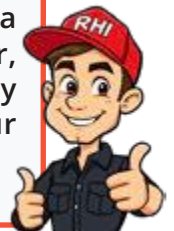
Western Nitrogen Regulators - ALL-N-ONE



| Part # | Description |
|--------|---|
| VN-500 | HVAC Nitrogen Purging Regulator w/ 500psi Test Pressure |
| VN-650 | HVAC Nitrogen Purging Regulator w/ 650psi Test Pressure |

RHI Pro Tip

This regulator has a built-in flow meter, so you can actually concentrate on your brazing



Part # Description

The **FASTEST, EASIEST** way to install linesets!

PRO-Fit Swaging Kit

Features

- Creates leak free swage in just seconds
- Color coded bits for quick and easy sizing identification

Features

- Use with 2000 PRM+ rated drills / drivers for best results
- New smaller, rugged see-through case

| Part # | Description | Bits Included |
|--------|-------------------------------|------------------------------------|
| 87011 | PRO-Fit Swaging Kit w/ 6 bits | 1/4", 3/8", 1/2", 5/8", 3/4", 7/8" |



87011

NDL Copper Fittings

| | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" | 1-1/8" | 1-3/8" | 1-5/8" | 2-1/8" | 2-5/8" | 3-1/8" |
|-----------------|------|------|------|------|------|------|--------|--------|--------|--------|--------|--------|
| Coupling | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Red Coupling | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| L.R. 90° Elbow | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 45° Elbow | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| L.R. 90° Street | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 45° Street | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tee | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cap | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Red Bushing | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| U Bend | — | — | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | — | — | — |
| P-Trap | — | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | — |
| Straps | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | — |



Couplings



Tees



Caps



Straps



U Bends



P-Traps

Harris Solder

| Part # | Description |
|------------|------------------------|
| SB61 | 1 Lb Stay Brite |
| SB861 | 1 Lb Stay Brite #8 |
| 505061 | 1 Lb 50/50 |
| 95561 | 1 Lb 95/5 |
| D620F1 | 1 Lb Dyna Flo 6% |
| 15620F1 | 1 Lb Sil Fos 15% |
| 4531 | 1 Troy Oz 45% |
| 4533 | 3 Troy Oz 45% |
| 4535 | 5 Troy Oz 45% |
| 40027 | 4 Oz Stay Clean Paste |
| 40002 | 4 Oz Stay Clean Liquid |
| 40022 | 6.5 Oz Stay Silv Flux |
| SSBF1/2 | 8 Oz Stay Silv Black |
| 45F318MPOI | Flux Coated 45% |
| BRGT61 | 1 Lb x 1/8" Bridgit |

Strut

| Description |
|------------------------------|
| Deep Strut 16 Ga W/ Holes |
| Shallow Strut 14 Ga W/ Holes |
| H Block Mounting Block |
| Strut Nut 1/2" |
| Strut Nut 3/8" |
| 3/8" Threaded Rod |
| 1/2" Threaded Rod |
| Swivel Loop Hanger 1" |
| Swivel Loop Hanger 1-1/4" |
| Swivel Loop Hanger 1-1/2" |
| Swivel Loop Hanger 2" |
| Swivel Loop Hanger 2-1/2" |

Tube Extensions

| Size |
|-------|
| 1/8" |
| 3/16" |
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |



Hydra-Zorbs

| Size |
|--------|
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |
| 1-1/8" |
| 1-3/8" |
| 1-5/8" |
| 2-1/8" |

Klo-Shures

| Size |
|--------|
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |
| 1-1/8" |
| 1-3/8" |
| 1-5/8" |
| 2-1/8" |

FTG Brushes

| Size |
|--------|
| 1/4" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |
| 1-1/8" |
| 1-3/8" |
| 1-5/8" |



Strut Clamps

| Size |
|----------------------|
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |
| 1-1/8" |
| 1-3/8" |
| 1-5/8" |
| 2-1/8" |
| 2-5/8" |
| 3-1/8" |
| 4-3/4" (DRIER SHELL) |



Looking For
Solderless
Fittings?

We Have You
Covered!!

Call Or Text
For More Info!



Split Pipe & Standard Pipe Insulation Available in 1/2", 3/4" & 1" Wall Thickness

Soft "L" Copper

| Size |
|---------------------|
| 50' Coil |
| 1/8" Through 1-3/8" |
| 100' COIL |
| 1/2" & 5/8" |



ACR "L" Copper

| Size |
|---------------------|
| 3/8" Through 3-1/8" |



"M" Copper

| Size |
|---------------------|
| 1/2" Through 1-1/2" |



Split Pipe Insulation

| Size |
|---------------------|
| 5/8" Through 2-5/8" |



Insulation Sheets

| Size |
|------------------|
| 48" x 70' x 1/2" |
| 48" x 50' x 3/4" |

Standard Linesets

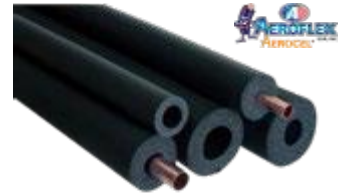
| Dimensions | Length |
|---------------|--------|
| 3/8" x 5/8" | 25' |
| | 35' |
| | 50' |
| 3/8" x 3/4" | 25' |
| | 35' |
| | 50' |
| 3/8" x 7/8" | 25' |
| | 35' |
| | 50' |
| 3/8" x 1-1/8" | 25' |
| | 50' |

Mini Split Linesets

| Dimensions | Length |
|-------------|--------|
| 1/4" X 3/8" | 25' |
| | 50' |
| 1/4" X 1/2" | 25' |
| | 50' |
| 1/4" X 5/8" | 25' |
| | 50' |
| 3/8" X 5/8" | 25' |
| | 50' |

Pipe Insulation

| Size |
|---------------------|
| 1/4" Through 4-1/8" |



Cover Accessories

| Part # | Size |
|---|----------|
| Amber 1520 Adhesive | |
| REF-ADH-12BPT | 1/2 Pint |
| REF-ADH-1PBT | Pint |
| REF-ADH-1QP | Quart |
| Black 1520 Adhesive | |
| REF-ADH-1PBT-BLK | Pint |
| Polyken Brand Tape | |
| 444W - White | |
| 444B - Black | |
| Aerocel Rubber Seal Tape | |
| PROTAPE 2" X 82" | |
| *The same tape that's on split!* | |



RHI can supply you with all the accessories you need for all of your AC and HP installs!

Ask us for a current Copper Fittings, Linesets, ZoomLock, or Viega ProPress & MegaPress price sheet.



AC Whips



4-WHIP

| Part # | Diameter | Length | Wire Gauge | Fittings |
|------------|----------|--------|------------|----------------|
| 4-WHIP | 1/2" | 4' | 10 | Straight x 90° |
| 6-WHIP | 1/2" | 6' | 10 | Straight x 90° |
| 6-WHIP-3/4 | 3/4" | 6" | 8 | Straight x 90° |

AC Disconnects



| Part # | Description |
|---|---|
| EDS-60U | Diversitech 60A Square D Disconnect (Side Opening Door) |
| DPB222R | Eaton 60A Disconnect (w/ On/Off Breaker Type Switch) |
| 80308 | MARS Pull out Disconnect w/ GFI Receptacle |
| Disconnect w/ Built-in Surge Protector | |
| 83915 | MARS 60A Disconnect w/ Surge Protection - Ready to Go |
| 80315 | MARS 60A Disconnect - Ready to Go |
| 83904 | MARS 120V Surge Protector - Indoor Use |
| 83905 | MARS HVAC Surge Protector - 120/240V - 20,000A - Outdoor Mounting |



DPB222R



80315



83905



EDS-60U

Pump-Ups



| Part # | Description |
|---|---------------------------|
| MA-HP6-2P | MA-Line 6" Pump-Up |
| MA-EXT4 | MA-Line 4" Extension |
| * Use one #MA-HP6-2P & two #MA-EXT4 for a 14" Stand! | |
| AER-8 | Adjustable Riser 5" to 8" |



AER-8

Wall Brackets



Features

- Load rating of 600 lbs per pair
- Made of heavy duty aluminum

Features

- 7/16" holes for wall installation
- 16/64" holes for equipment mounting

| Part # | Description | Length |
|--------|-------------------------------|--------|
| ACB-30 | A/C Mounting Bracket (2 Pack) | 30" |
| ACB-36 | | 36" |
| ACB-42 | | 42" |
| ACB-48 | | 48" |



ACB-30

A/C Secondary Plastic Drain Pans



Features

- Pan holds up to 2" of water
- Rolled edges and reinforced corner

Features

- Comes equipped with 3/4" diameter PVC discharge fitting (outlet on long side)

| Part # | Dimensions (L x W) |
|---------|--------------------|
| 6-1838L | 18" x 38" |
| 6-2626L | 26" x 26" |
| 6-2748L | 27" x 48" |
| 6-2763L | 27" x 63" |
| 6-3030L | 30" x 30" |
| 6-3050L | 30" x 50" |
| 6-3060L | 30" x 60" |
| 6-3636L | 36" x 36" |
| 6-3660L | 36" x 60" |



6-1838L



SIDE VIEW

PolarPad - 3" Thick Plastic HVAC Pads



Features

- Flat, self-levelling design
- Oil, chemical, UV, and weather resistant

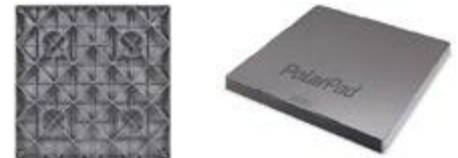
Features

- Textured surface for improved traction
- Reinforced sidewalls and wear areas

| Part # | Size |
|----------|----------------|
| 94740 | 18" x 38" x 3" |
| 94777 | 24" x 24" x 3" |
| 94778 | 24" x 36" x 3" |
| 94794 | 36" x 48" x 3" |
| P32X44X3 | 32" x 44" x 3" |
| 94787 | 32" x 32" x 3" |
| 94792 | 36" x 36" x 3" |
| 94795 | 40" x 40" x 3" |



POLARPAD



Special Heat Pump Pads - 8" Thick



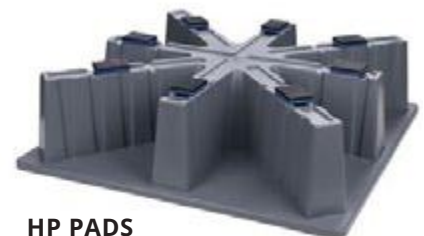
Features

- Single piece construction for stronger and faster installs
- Outward sloped base for easy drainage

Features

- Star pattern allows for installation of equipment with different size footprints
- Nestable for easy storing and transport

| Part # | Size | Load Capacity |
|----------|----------------|---------------|
| HP3232-8 | 32" x 32" x 8" | 307 lb |
| HP3636-8 | 36" x 36" x 8" | 389 lb. |



HP PADS



The best way to enhance workplace safety



Li-Ion BATTERY

24 months of continuous operation.



INCREASED SAFETY

Intrinsically Safe. ATEX/IECEX Approved.



EASY TO USE

Fast Bump Test and calibration. Self test function.



SOLID AND ROBUST

The rugged and reliable personal gas monitor ensures precise and secure detection in various environments.



CO READINGS

CO concentration is measured in ppm and range from **Low Level Alarm at 9 ppm** to **High Level Alarm at 35 ppm**.



AVAILABLE GASES

Portable Gas Detector

Real-Time Detection of Toxic and Flammable Gases

Features

- Built in audible, vibration, and visual alarms for immediate danger warning
- Lightweight with integrated alligator clip

Features

- Configurable for user's needs
- Designed to be easy to use with simple and fast daily maintenance



| Part # | Available Gases | Battery | Configuration |
|------------------|---|---|---------------|
| BE-SAFE-SG-CO-NC | CO, O2, H2S, SO2 | Non-rechargeable (Lasts 24 Months) | 1 Gas |
| PM4ZLCH | CO, O2, H2S, LEL, SO2, NH3, NO, NO2, H2, CL2, Dual CO+H2S | Rechargeable Li-Ion Battery (Charge Lasts 18 Hours) | Up To 4 Gases |

Tankless Electric Water Heater



Features

- Includes remote control for temperature settings
- Easy-to-use touch screen design

Features

- Scale reduction technology
- Energy and temperature self-modulating
- 5-year limited replacement warranty

| Part # | Volts | Power Rating | Water Conn. | Temp. Range | Flow Rate @ 72°F Inlet | Max. Operating Pressure (PSI) | Dimensions (H x W x D) |
|------------|-------|--------------|-------------|-------------|------------------------|-------------------------------|------------------------|
| GE08SNHPDG | 240 | 8 kW | 1/2" | 86-140°F | 1.7 | 150 | 14.2" x 8.5" x 2.4" |

Point of Use Electric Water Heater



Features

- Stainless steel heating element
- Anode rod protects against corrosion

Features

- Easily adjustable mechanical thermostat
- 8-year limited replacement warranty

| Part # | Config. | Unit Capacity | Max. Operating Pressure (PSI) | Port | Volts | Power Rating | Water Conn. | Dimensions (H x W x D) |
|------------|---------------------------|---------------|-------------------------------|------|-------|--------------|-------------|------------------------|
| GE02P08BAR | Mountable Space Saver | 2.5 gal. | 150 | Top | 120 | 1.44 kW | 1/2" | 13" x 13" x 11.2" |
| GE06P08BAR | Mountable Space Saver | 6 gal. | 150 | Top | 120 | 1.44 kW | 1/2" | 17.8" x 17.2" x 14.4" |
| GE10P08BAR | Free-Standing Space Saver | 10 gal. | 150 | Side | 120 | 1.5 kW | 1/2" | 24.5" x 14.8" x 14.8" |
| GE20L08BAR | Lowboy | 18 gal. | 150 | Side | 240 | — | 3/4" | 25.8" x 19.3" x 19.3" |
| GE20P08BAR | Free-Standing Space Saver | 18 gal. | 150 | Side | 120 | 1.5 kW | 1/2" | 25.8" x 19.3" x 19.3" |



GE02P08BAR



GE20L08BAR



GE10P08BAR

Point of Use Water Heaters

Point of use setups are flexible, adaptable, and space-saving. Their compact design is ideal for limited spaces like kitchens, bathrooms, laundry rooms, cabins, RVs, garages, and sheds, and in some cases, can also provide hot water for a small house, condo, or apartment. Typically, these easy-to-install heaters fit right under the kitchen, bathroom, or pantry sinks and connect into a standard 120-Volt outlet (cord included).



RealMAX Atmospheric Vented Gas Water Heater



Features

- Overheat protection
- Includes quick electronic connectors

Features

- Smart shield FVIR safety system
- Self-diagnostic via LED status light

| Part # | Rated Capacity | Config. | Port | First Hour Rate (GPH) | Drain Valve | Burner BTU | Dimensions (H x W x D) | Warranty | NAT | LP |
|------------|----------------|---------|------|-----------------------|-------------|------------|------------------------|----------|-----|----|
| GG40S08BXR | 40 gal. | Short | Top | 78 | Plastic | 38,000 | 52.3" x 22" x 22" | 8-Year | ✓ | — |
| GG40S12BXR | 40 gal. | Short | Top | 78 | Brass | 38,000 | 52.5" x 22" x 22" | 12-Year | ✓ | — |
| GG40T08BXR | 40 gal. | Tall | Top | 83 | Plastic | 40,000 | 61.9" x 20" x 20" | 8-Year | ✓ | — |
| GG40T10BXR | 40 gal. | Tall | Top | 83 | Plastic | 40,000 | 61.9" x 20" x 20" | 10-Year | ✓ | — |
| GG40T12BXR | 40 gal. | Tall | Top | 83 | Brass | 40,000 | 61.9" x 20" x 20" | 12-Year | ✓ | — |
| GG50S08BXR | 50 gal. | Short | Top | 77 | Plastic | 40,000 | 49.6" x 25" x 25" | 8-Year | ✓ | — |
| GG50S12BXR | 50 gal. | Short | Top | 77 | Plastic | 40,000 | 49.6" x 25" x 25" | 12-Year | ✓ | — |
| GG50T08BXR | 50 gal. | Tall | Top | 82 | Plastic | 40,000 | 61.4" x 22" x 22" | 8-Year | ✓ | — |
| GG50T10BXR | 50 gal. | Tall | Top | 82 | Plastic | 40,000 | 61.4" x 22" x 22" | 10-Year | ✓ | — |
| GG50T12BXR | 50 gal. | Tall | Top | 82 | Brass | 40,000 | 61.4" x 22" x 22" | 12-Year | ✓ | — |
| GP40S08BXR | 40 gal. | Short | Top | 78 | Plastic | 34,500 | 52.3" x 22" x 22" | 8-Year | — | ✓ |
| GP40T08BXR | 40 gal. | Tall | Top | 83 | Plastic | 36,000 | 61.9" x 20" x 20" | 8-Year | — | ✓ |
| GP40T12BXR | 40 gal. | Tall | Top | 83 | Brass | 36,000 | 61.9" x 20" x 20" | 12-Year | — | ✓ |
| GP50T08BXR | 50 gal. | Tall | Top | 82 | Plastic | 36,000 | 61.4" x 22" x 22" | 8-Year | — | ✓ |
| GP50T12BXR | 50 gal. | Tall | Top | 82 | Brass | 36,000 | 61.4" x 22" x 22" | 12-Year | — | ✓ |

RealMAX Power Vented Gas Water Heater



Features

- Offers flexible venting options with either vertical or horizontal termination PVC, AVS, or CPVC

Features

- Smart shield FVIR safety system
- Rust-proof brass drain valve
- Self-diagnostic via LED status light

| Part # | Rated Capacity | Config. | Port | First Hour Rate (GPH) | Dimensions (H x W x D) | Water Conn. | Burner BTU | Warranty | NAT | LP |
|------------|----------------|---------|------|-----------------------|------------------------|-------------|------------|----------|-----|----|
| GG40S08AYV | 40 gal. | Short | Top | 72 | 56.7" x 22" x 22" | 3/4" | 40,000 | 8-Year | ✓ | — |
| GG40T08AYV | 40 gal. | Tall | Top | 82 | 66.3" x 20" x 20" | 3/4" | 42,000 | 8-Year | ✓ | — |
| GG50S08AYV | 50 gal. | Short | Top | 73 | 54" x 25" x 25" | 3/4" | 40,000 | 8-Year | ✓ | — |
| GG50T08AYV | 50 gal. | Tall | Top | 82 | 65.8" x 22" x 22" | 3/4" | 42,000 | 8-Year | ✓ | — |
| GP40T08AYV | 40 gal. | Tall | Top | 68 | 66.3" x 20" x 20" | 3/4" | 38,000 | 8-Year | — | ✓ |
| GP50S08AYV | 50 gal. | Short | Top | 65 | 54" x 25" x 25" | 3/4" | 36,000 | 8-Year | — | ✓ |
| GP50T08AYV | 50 gal. | Tall | Top | 65 | 65.8" x 22" x 22" | 3/4" | 38,000 | 8-Year | — | ✓ |

GE APPLIANCES RealMAX™
HAS ARRIVED— BRINGING THE GE
APPLIANCES ADVANTAGE WITH IT

RealMAX Electric Water Heaters



Features

- Two 5500W heating elements
- Includes quick electronic connectors
- Inlet tube for max hot water delivery

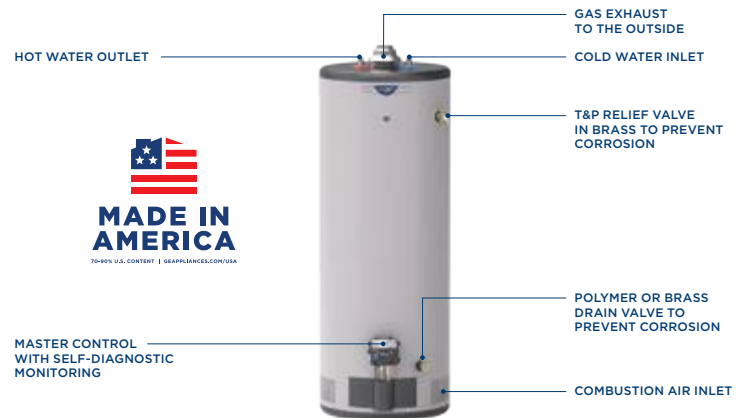
Features

- Rust-proof brass drain valve
- Adjustable thermostat for easy control
- 25.1 GPH Recovery @ 90°F

| Part # | Rated Capacity | Config. | Port | First Hour Rate (GPH) | Volts | Water Conn. | Dimensions (H x W x D) | Heating Element | Warranty |
|------------|----------------|---------|------|-----------------------|-------|-------------|------------------------|-----------------|----------|
| GE30S08BAM | 30 gal. | Short | Top | 53 | 240 | 3/4" | 41.9" x 22" x 22" | Copper | 8-Year |
| GE40L08BAM | 36 gal. | Lowboy | Top | 61 | 240 | 3/4" | 32.8" x 27" x 27" | | |
| GE40L08BSM | 36 gal. | Lowboy | Side | 63 | 240 | 3/4" | 32.8" x 27" x 27" | | |
| GE40S08BAM | 40 gal. | Short | Top | 66 | 240 | 3/4" | 52.9" x 22" x 22" | | |
| GE40T08BAM | 40 gal. | Tall | Top | 65 | 240 | 3/4" | 65.5" x 20" x 20" | | |
| GE50S08BAM | 50 gal. | Short | Top | 76 | 240 | 3/4" | 53" x 24" x 24" | | |
| GE50T08BAM | 50 gal. | Tall | Top | 76 | 240 | 3/4" | 63.8" x 22" x 22" | Stainless Steel | 10-Year |
| GE50S10BAM | 50 gal. | Short | Top | 76 | 240 | 3/4" | 53" x 24" x 24" | | |
| GE50T10BAM | 50 gal. | Tall | Top | 76 | 240 | 3/4" | 63.8" x 22" x 22" | | |



TANK FEATURES



RealMAX Electric Water Heaters with Thermostat Controls

RealMAX means Real Capacity and Maximum Performance. The electric water heaters in the GE Appliances RealMAX Series are cutting-edge products that give families real capacity and maximum performance and give professionals the kind of support that only GE Appliances can offer.



SmartSERIES Electric Water Heaters



Electronically Controlled with a Digital Display and Built-In WiFi Powered by the SmartHQ™ app

Features

- Two 5500W heating elements
- Anode rod replacement alerts
- Overheat protection
- Able to be connected to Amazon Alexa or Google Home

Features

- Rust-proof brass drain valve
- Adjustable thermostat for easy control
- 25.1 GPH Recovery @ 90°F
- Electronic controls with digital display
- Features normal and vacation modes

| Part # | Rated Capacity | Config. | Port | First Hour Rate (GPH) | Volts | Water Conn. | Dimensions (H x W x D) | Heating Element | Warranty |
|------------|----------------|---------|------|-----------------------|-------|-------------|------------------------|-----------------|----------|
| GE40S12BLM | 40 | Short | Top | 65 | 240 | 3/4" | 52.9" x 22" x 22" | Stainless Steel | 12-Year |
| GE40T12BLM | 40 | Tall | Top | 66 | 240 | 3/4" | 65.5" x 20" x 20" | | |
| GE50S12BLM | 50 | Short | Top | 75 | 240 | 3/4" | 53" x 24" x 24" | | |
| GE50T12BLM | 50 | Tall | Top | 78 | 240 | 3/4" | 63.8" x 22" x 22" | | |
| GE50T10BLM | 50 | Tall | Top | 78 | 240 | 3/4" | 63.8" x 22" x 22" | Copper | 10-Year |

SmartSERIES: Smart Electric Water Heaters with Electronic Controls

SmartSERIES Electric Water Heaters are electronically controlled with a digital display and built-in Wi-Fi powered by the SmartHQ™ app.



GE40S12BLM



GE40T12BLM



SmartSERIES: Smart Electric Water Heaters with Electronic Controls offer digital convenience

The digital display allows owners to:

- Set Schedules
- Check all settings
- Adjust temperatures
- Set the energy-saving Vacation Mode



With the **SmartHQ** app, they can do all of this — remotely, with a smartphone! SmartHQ will also notify them with alerts including anode rod replacement.

More SmartHQ app Features:

- Schedule By Hour / By Day
- Check Remaining Hot Water
- Check Time to replenish hot water
- Check Energy Usage & Cost

FlexCapacity Series Electric Water Heaters



Digital Display, Built-In WiFi Powered by the SmartHQ™ app, Flexible Capacity, and Built-In Mixing Valve

Features

- Two 5500W heating elements
- Anode rod replacement alerts
- Overheat protection
- Able to be connected to Amazon Alex or Google Home

Features

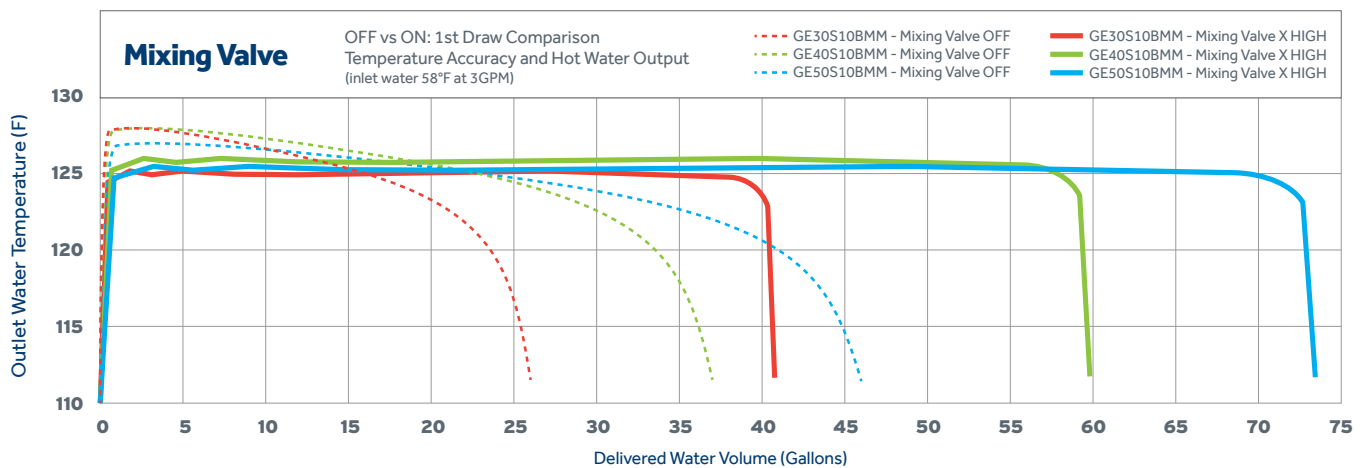
- Rust-proof brass drain valve
- Adjustable thermostat for easy control
- 25.1 GPH Recovery @ 90°F
- Electronic controls with digital display
- Features normal and vacation modes



GE50S10BMM

| Part # | Normal Capacity | X-High Capacity | Config. | Port | First Hour Rate (GPH) | Water Conn. | Dimensions (H x W x D) | Heating Element | Warranty |
|------------|-----------------|-----------------|---------|------|-----------------------|-------------|------------------------|-----------------|----------|
| GE50S10BMM | 50 gal. | 80 gal. | Short | Top | 75 (normal) | 3/4" | 61" x 24" x 24" | Stainless Steel | 10-Year |

Up To 60% More Hot Water*



*Versus comparable water heater without mixing valve at 120° F and 58° F inlet water temperature.

**Measured through DOE First Hour Rating (FHR).

Flexible Capacity Electronic Water Heaters feature an Integrated Electronic Mixing Valve: Up To 60% More Hot Water*

With flexible capacity electronic water heaters, owners can select from three capacity settings: **normal**, **high**, and **extra-high**. When they choose the **high** or **extra-high** settings, water is stored at higher temperatures. As stored water leaves the tank, our integrated electronic mixing valve - the first and only in the industry - mixes in cold water to accurately produce the exact temperature required, making more usable hot water available. The result? Up to **60% more hot water*** when consumers need it.



GE Parts & Accessories



| Part # | Description |
|------------|---|
| WS01X24761 | Heater FV Sensor Foam Dam |
| WS02X22262 | Sensing Anode Rod-Mag 40" |
| WS02X22961 | Heater Sensing Anode Rod 40" |
| WS02X23198 | Rod Anode - Mag 46.75" |
| WS06X21923 | T-P Valve |
| WS06X21924 | Heater Drain Valve |
| WS06X22864 | Heater Temperature/Pressure Valve |
| WS17X22381 | T1 Sensor Tank Lower |
| WS17X22382 | T2 Sensor Tank Upper |
| WS17X22384 | Temperature Sensor Assembly T6 |
| WS17X22385 | Temperature Sensor Assembly T7 |
| WS17X22386 | TCO 180F |
| WS21X21916 | Heater Lower Thermostat Control, LE Reg Cntrl |
| WS21X21917 | Heater Upper Thermostat Control, Ue Reg Cntrl/TCO |

| Part # | Description |
|-------------|--|
| WS21X22238 | Current Sensor, Toroid |
| WS21X23196 | Harness Thermistor |
| WS35X22322 | Control Assembly |
| WS50X23194 | Burner Asm (21.5 - 32 - Atm - Ng) |
| WS51X21905 | Heater Element Cover Metal Large UE/LE |
| WS51X23622 | Heating Element W/ Gasket |
| WS52X23161 | Gas Control Valve (Atm - Ng) Thermistor |
| WS52X23162 | Gas Control Valve (Atm - Lp) Thermistor |
| WS52X23199 | Pilot Asm - Short Nat |
| WS52X23201 | Pilot Asm - Long Nat |
| WS52X23202 | Pilot Asm - Long Lp |
| WH-12-12-18 | NDL Industries Water Heater Flex Connectors - 3/4" x 18" |



WS21X21916



WS06X22864



WS52X23161



WS17X22385



WS35X22322



WS21X23196



WS17X22382



WS21X22238



WS52X23199



WS17XX2386



Square Flange Electric Boiler Heating Elements

| Part # | kW | Volts | Watts |
|-------------|--|-------|-------|
| E-13 | 3 | 240 | 3000 |
| E-14 | 4 | 240 | 4000 |
| E-15 | 5 | 240 | 5000 |
| E-16 | 6 | 240 | 6000 |
| Accessories | | | |
| G-12 | Heating Element Gasket for E-13 / E-14 / E-15 / E-16 | | |



Control Board Kit for Electric Hot Water Boilers

Features

- Used to control other boiler components
- On-and-off switch

Features

- LED lights that indicate when a specific element is energized
- LED lights indicate if fault in boiler

| Part # | Description | Elements |
|-----------|-------------------------|----------|
| 550001624 | Control Board/Wire "AT" | 2 |
| 550001626 | (B Series) Kit | 4 |
| 240010295 | Control Board Kit | 2 |
| 240010296 | (C Series) Kit | 4 |



RTD Replacement Sensor

| Part # | Description |
|-----------|------------------------|
| 550001256 | RTD Replacement Sensor |



Safety Limit Controls

| Part # | Description |
|--------|---------------------------------|
| S46 | High Limit Safety Limit Control |
| S47 | Limit Safety Limit Control |



40 A Circuit Breaker

| Part # | Amp | Poles |
|--------|-----|-------|
| B27 | 40 | 2 |



Plug-In Relay

| Part # | Volts |
|--------|-------|
| R35C | 24 |



R-410A Single-Zone Mini Split Heat Pumps



See Page 231 for Dimensions and More Specs!

| Model # | Volts | SEER2 | EER2 HSPF2 | Cool BTU • Heat BTU | | Line Size |
|----------------------|--|-------|---------------|---------------------|-----------------------------------|--------------|
| | | | | Rating | Range | |
| LIVO GEN 4 HP | HEATS TO -13°F, COOLS TO -4°F | | | | | |
| 4LIV09HP115V1A (H&O) | 115 | 19.5 | 11.3 8.6 | 9,100 10,000 | 3,000 - 11,000 2,200 - 13,000 | 1/4" 3/8" |
| 4LIV12HP115V1A (H&O) | 115 | 17.5 | 8.7 8.5 | 12,000 12,000 | 2,388 - 13,307 2,388 - 15,013 | 1/4" 3/8" |
| 4LIV09HP230V1A (H&O) | 230 | 19.5 | 11.3 8.8 | 9,100 10,000 | 2,800 - 10,300 2,200 - 12,200 | 1/4" 3/8" |
| 4LIV12HP230V1A (H&O) | 230 | 17.5 | 8.7 8.5 | 12,000 12,000 | 2,388 - 13,307 2,388 - 15,013 | 1/4" 3/8" |
| 4LIV18HP230V1A (H&O) | 230 | 17.5 | 10.1 8.5 | 17,600 19,100 | 3,753 - 19,960 2,730 - 22,519 | 1/4" 1/2" |
| 4LIV24HP230V1A (H&O) | 230 | 18.0 | 11.6 8.5 | 22,000 24,000 | 6,824 - 25,249 5,971 - 27,296 | 1/4" 5/8" |
| 4LIV30HP230V1A (H&O) | 230 | 20.0 | 11.3 8.5 | 30,000 30,000 | 7,780 - 35,500 9,100 - 36,850 | 1/4" 5/8" |
| 4LIV36HP230V1A (H&O) | 230 | 20.0 | 10.5 8.5 | 33,600 34,600 | 7,500 - 37,200 10,200 - 38,500 | 1/4" 5/8" |
| WSBEC05 | WiFi is built in on all LIVV units, LIVS 115V require this kit for WiFi | | | | | |
| Vireo Gen 3 HP | HEATS TO -22°F, COOLS TO -20°F (-13°F FOR 115V) NO LOW AMBIENT LOCKOUT ON THESE UNITS | | | | | |
| 3VIR09HP115V1A (H&O) | 115 | 26.5 | 14.55 11.2 | 9,100 10,000 | 1,700 - 13,000 2,900 - 14,600 | 1/4" 3/8" |
| 3VIR12HP115V1A (H&O) | 115 | 25 | 13.0 11.5 | 12,100 12,100 | 3,071 - 13,400 3,071 - 15,500 | 1/4" 1/2" |
| 3VIR09HP230V1A (H&O) | 230 | 25.5 | 14.7 10.2 | 9,100 11,000 | 2,457 - 10,748 2,593 - 13,307 | 1/4" 3/8" |
| 3VIR12HP230V1A (H&O) | 230 | 24 | 12.5 9.0 | 12,000 12,000 | 3,071 - 14,100 3,071 - 15,500 | 1/4" 1/2" |
| 3VIR18HP230V1A (H&O) | 230 | 23.5 | 13.0 9.0 | 18,000 18,200 | 5,118 - 23,202 5,800 - 23,543 | 1/4" 5/8" |
| 3VIR24HP230V1A (H&O) | 230 | 24.5 | 13.1 9.5 | 22,000 24,000 | 3,400 - 28,500 4,300 - 33,600 | 1/4" 5/8" |

(H&O)? - Evap Model Numbers end in "H" & Condensing Unit Model Numbers end in an "O"

R-410A Single-Zone Mini Split Heat Pumps



| Model # | Volts | SEER | EER HSPF | Cool BTU • Heat BTU | | Line Size |
|-----------------------|---|------|---------------|---------------------|----------------------------------|--------------|
| | | | | Rating | Range | |
| Vireo + Ultra HP | HEATS TO -31°F, COOLS TO 0°F | | | | | |
| VIRU30HP230V1A (HW&O) | 230 | 23 | 11.2 10.5 | 28,000 28,800 | 5,500 - 30,700 4,400 - 35,200 | 1/4" 5/8" |
| VIRU36HP230V1A (HW&O) | 230 | 23 | 10.25 10.5 | 33,000 34,600 | 8,800 - 40,900 4,900 - 49,400 | 1/4" 5/8" |
| Sapphire HP | HEATS TO -22°F, COOLS TO 0°F (NO LOCKOUT) | | | | | |
| SAP09HP230V1A (H&O) | 230 | 38 | 16.7 15.0 | 9,000 9,000 | 1,535 - 12,966 2,388 - 13,648 | 1/4" 1/2" |
| SAP12HP230V1A (H&O) | 230 | 30.5 | 15.3 14.0 | 12,000 12,200 | 2,900 - 15,350 3,071 - 18,766 | 1/4" 1/2" |
| SAP18HP230V1A (H&O) | 230 | 24.5 | 13.5 12.0 | 18,000 18,000 | 4,094 - 21,837 4,094 - 24,566 | 1/4" 5/8" |
| SAP24HP230V1A (H&O) | 230 | 21.5 | 13.0 12.0 | 22,000 24,000 | 6,800 - 30,700 6,800 - 32,000 | 1/4" 5/8" |



- Up to 19 SEER, 10 HSPF
- Includes Gree's G10 Inverter & variable speed compressor technology
- Regulates room temperature with built-in I FEEL automation setting
- Built-in WiFi



- Up to 26.5 SEER, 11.5 HSPF
- Multiple Evap options - see page 10!
- Gree's G10 Inverter & variable speed compressor tech
- Regulates room temperature with built-in I FEEL automation setting
- X-fan and (optional) IAQ Filters eliminate 99.9% of bacteria & viruses and inhibit mildew growth on coil and more
- Built-in WiFi



- ULTRA HEAT technology for temperatures as low as -22°F
- ULTRA COOL technology for temperature ranges of 0°F to 129°F
- Up to 38 SEER & 15.0 HSPF in heating to reduce energy consumption up to 65%



R-410A Single-Zone Mini Split Heat Pumps



| Model # | RHI Stocks | SEER2 | EER2 HSPF2 | Cool BTU • Heat BTU | | Evaps |
|-------------------|------------|--|--------------|---------------------|----------------------------------|-------|
| | | | | Rating | Range | |
| MULTI GEN 2 | | HEATS TO -22°F, COOLS TO -22°F (18K COOLS DOWN TO -20°F) | | | | |
| MULTI18HP230V1EO | ✓ | 21 | 12 10 | 17,000 18,000 | 7,000 - 19,600 7,000 - 19,600 | 2 |
| MULTI24HP230V1EO | ✓ | 21 | 12.5 10 | 23,200 24,000 | 7,500 - 31,400 7,500 - 31,400 | 2 - 3 |
| MULTI30HP230V1EO | ✓ | 21 | 12.5 10 | 28,400 30,000 | 8,190 - 34,100 8,190 - 40,900 | 2 - 4 |
| MULTI36HP230V1EO | ✓ | 21 | 12 10 | 34,000 36,000 | 8,871 - 35,826 8,871- 44,356 | 2 - 4 |
| MULTI42HP230V1EO | ✓ | 21 | 12 10 | 36,000 40,000 | 8,871 - 40,944 8,871- 46,062 | 2 - 5 |
| MULTI+ Ultra HP | | Heats To -31 °F, Cools To 0 °F | | | | |
| MULTIU18HP230V1DO | ✓ | 20 | 12.0 10.0 | 18,000 21,000 | 6,998 - 21,001 7,000 - 26,000 | 2 |
| MULTIU24HP230V1DO | ✓ | 20 | 12.0 10.0 | 22,000 26,000 | 7,500 - 30,000 7,500 - 31,000 | 2 - 3 |
| MULTIU36HP230V1DO | ✓ | 16 | 9.0 8.6 | 36,000 36,000 | 8,871 - 40,000 8,871 - 42,514 | 2 - 4 |
| MULTIU42HP230V1DO | ✓ | 16 | 9.0 8.6 | 42,000 42,000 | 8,871 - 42,991 8,871 - 46,062 | 2 - 5 |

See Page 232 for Dimensions and More Specs!

HIGH EFFICIENCY MULTI-ROOM DUCTLESS SYSTEMS



Ducted evaps and wired remotes are also available

RHI Pro Tip

RHI has so many options in stock! Check out Page 223 to determine how many Evaporator Units each Multi Condenser can handle for your job.



Indoor Evaporator Options



| Model # | RHI Stocks | TYPE | Cool BTU • Heat BTU | | Line Size (Liquid - Suction) |
|-----------------|------------|--------------|---------------------|----------------------------------|---------------------------------|
| | | | Rating | Range | |
| 4LIV09HP230V1AH | ✓ | Wall Mounted | 9,100 10,000 | 2,800 - 10,300 2,200 - 12,200 | 1/4" - 3/8" |
| 4LIV12HP230V1AH | ✓ | Wall Mounted | 12,000 12,000 | 2,388 - 13,307 2,388 - 15,013 | 1/4" - 1/2" |
| 4LIV18HP230V1AH | ✓ | Wall Mounted | 17,600 19,100 | 3,753 - 19,960 2,730 - 22,519 | 1/4" - 5/8" |
| 4LIV24HP230V1AH | ✓ | Wall Mounted | 22,000 24,000 | 6,824 - 25,249 5,971 - 27,296 | 1/4" - 5/8" |

| Model # | RHI Stocks | Mounting Style | Indoor Unit Dimensions (W x H x D) | Cool BTU • Heat BTU | Line Size (Liquid - Suction) |
|-----------------|------------|--|------------------------------------|---------------------|------------------------------|
| | | | | Rating | |
| CAS12HP230V1BC | — | Ceiling Cassette | 22.5" x 22.5" x 9" | 12,000 12,000 | 1/4" - 3/8" |
| CAS18HP230V1BC | — | | 22.5" x 22.5" x 9" | 18,000 18,200 | 1/4" - 1/2" |
| CAS24HP230V1BC | — | | 33" x 33" x 9.5" | 22,000 24,000 | 1/4" - 5/8" |
| CASGRILLEBSM | ✓ | Decorative Grille-12K & 18K Ceiling Cassettes (25 5/8" x 25 5/8" x 2") | | | |
| CASGRILLEBLG | ✓ | Decorative Grille-24K Ceiling Cassettes (37 1/2" x 37 1/2" x 2 3/8") | | | |
| FLR09HP230V1BF | — | Floor/ Ceiling Unit | 48" x 27.5" x 9" | 9,100 11,000 | 1/4" - 3/8" |
| FLR12HP230V1BF | — | | 48" x 27.5" x 9" | 12,000 12,000 | 1/4" - 1/2" |
| FLR18HP230V1BF | — | | 48" x 27.5" x 9" | 18,000 18,200 | 1/4" - 1/2" |
| FLR24HP230V1BF | — | | 48" x 27.5" x 9" | 22,000 24,000 | 3/8" - 5/8" |
| CONS09HP230V1AF | ✓ | Mini Console Unit | 27.5" x 23.75" x 8.5" | 9,000 9,500 | 1/4" - 3/8" |
| CONS12HP230V1AF | ✓ | | 27.5" x 23.75" x 8.5" | 12,000 13,000 | 1/4" - 3/8" |
| CONS18HP230V1AF | — | | 27.5" x 23.75" x 8.5" | 18,000 19,800 | 1/4" - 1/2" |

Matching combinations and capacities:

The Multi Gen 2 and the Multi Ultra have the same possible evap combinations
(You may substitute a 7k head anywhere a 9k is listed)

| | |
|----------------------------|---------|
| Multi 18 Gen2 and Ultra | 9 + 9 |
| | 9 + 12 |
| | 12 + 12 |

| | |
|---|--------------|
| Multi 24 Gen2 and Ultra (And the 18 combos) | 9 + 18 |
| | 12 + 18 |
| | 18 + 18 |
| | 9 + 9 + 9 |
| | 9 + 9 + 12 |
| | 9 + 9 + 18 |
| | 9 + 12 + 12 |
| | 12 + 12 + 12 |

| | |
|--------------------------------------|------------------|
| Multi 30 Gen2 (And the 24 combos) | 9 + 24 |
| | 12 + 24 |
| | 18 + 24 |
| | 9 + 9 + 24 |
| | 9 + 12 + 18 |
| | 9 + 12 + 24 |
| | 9 + 18 + 18 |
| | 12 + 12 + 18 |
| | 9 + 9 + 9 + 9 |
| | 9 + 9 + 9 + 12 |
| | 9 + 9 + 9 + 18 |
| | 9 + 9 + 12 + 12 |
| | 9 + 12 + 12 + 12 |

| | |
|---|-------------------|
| Multi 36 Gen2 and Ultra (And the 30 combos) | 24 + 24 |
| | 9 + 18 + 24 |
| | 12 + 12 + 24 |
| | 12 + 18 + 18 |
| | 12 + 18 + 24 |
| | 18 + 18 + 18 |
| | 9 + 9 + 9 + 24 |
| | 9 + 9 + 18 + 18 |
| | 9 + 12 + 12 + 18 |
| | 12 + 12 + 12 + 12 |
| | 12 + 12 + 12 + 18 |

| | |
|---|------------------------|
| Multi 42 Gen2 and Ultra (And the 36 combos) | 12 + 24 + 24 |
| | 9 + 12 + 18 + 24 |
| | 9 + 18 + 18 + 18 |
| | 12 + 12 + 12 + 24 |
| | 12 + 12 + 18 + 18 |
| | 9 + 9 + 9 + 9 + 9 |
| | 9 + 9 + 9 + 9 + 12 |
| | 9 + 9 + 9 + 9 + 18 |
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| | 9 + 9 + 12 + 12 + 18 |
| | 9 + 12 + 12 + 12 + 12 |
| | 9 + 12 + 12 + 12 + 18 |
| | 12 + 12 + 12 + 12 + 12 |

Choose your lineset based on your evaporator line sizes. The flare adapters needed to connect the linesets to the condenser unit come with the outdoor unit!



GREE TECHNOLOGY: EFFICIENCY FEATURES FOR **MAXIMUM PERFORMANCE**



**GREE'S LOAD MATCH VARIABLE
SPEED COMPRESSOR**

VS.



**TRADITIONAL SINGLE
SPEED COMPRESSOR**



GREE GOES GREEN WITH R32

LOWER CARBON EMISSIONS

R32 is recognized for its reduced environmental impact, aligning with sustainability goals.

SAFETY ASSURANCE

R32 has a proven global record as a safe, reliable refrigerant.

ENHANCED EFFICIENCY

Provides up to **10% more capacity** and **12% more efficiency** compared to R410A, optimizing system performance.

COST-EFFECTIVE SOLUTION

With no active patents, R32 is readily available, offering economic advantages for projects.

CONTROLS

- Cutting-edge micro-circuit for precise inverter control



REFRIGERATION

- Stable, reliable compressor
- Larger heat exchanger with optimized piping
- Electronic expansion valve (EEV) for precise refrigerant flow

AIRFLOW

- Enlarged air intake and outlet
- Optimized crossflow fan design with larger air volume to enhance heat exchange efficiency
- Optimized axial fan design with larger diameter for greater volume and higher efficiency control

AUTO-CLEAN FUNCTION

- Easy removal of dirt and odors through proprietary cleansing process of evaporator
- Units performs 4-stage process to remove unwanted particles from coil: condenses, frosts, sterilizes and defrosts



- FIELD-ORIENTED CONTROL (FOC) ALGORITHM
- PRECISE LOAD ADAPTATION
- ADVANCED VOLTAGE STABILIZATION
- OPTIMIZED LOW-LOAD PERFORMANCE
- INTELLIGENT NOISE REDUCTION

MultiPRO Condensing Units



| Model # | SEER | EER HSPF | Cool BTU Heat BTU | # Of Evaps | Line Size (Liquid - Gas) |
|----------------------------|-------------------------------------|--------------|----------------------|------------|-----------------------------|
| MultiPRO | HEATS TO -4°F, COOLS TO 23°F | | | | |
| GMV-24WL/C-T(U) | 18 | 11.0 10.0 | 24,000 28,000 | 1 - 4 | 3/8" X 5/8" |
| GMV-28WL/C-T(U) | 18 | 11.0 10.0 | 28,000 30,000 | 1 - 4 | 3/8" X 5/8" |
| GMV-36WL/C-T(U) | 22 | 11.5 10.0 | 37,500 42,000 | 1 - 7 | 3/8" X 5/8" |
| GMV-48WL/C-T(U) | 22 | 11.5 10.8 | 48,000 54,000 | 1 - 8 | 3/8" X 5/8" |
| GMV-60WL/C-T(U) | 21 | 11.0 11.0 | 60,000 64,000 | 1 - 10 | 3/8" X 3/4" |
| MultiPRO Ultra Heat | HEATS TO -22°F, COOLS TO 0°F | | | | |
| GMV-36WL/B-T(U) | 20.5 | 13.0 11.7 | 36,000 45,000 | 1 - 5 | 3/8" X 5/8" |
| GMV-48WL/B-T(U) | 20 | 12.5 11.0 | 48,000 54,000 | 1 - 6 | 3/8" X 3/4" |

9 INDOOR UNITS TO CHOOSE

- Wall Mount
- Multi-Position Air Handler
- Horizontal Slim Ducted
- 360 Compact Ceiling Cassette
- 360 Standard Ceiling Cassette
- One-Way Cassette
- Two-Way Cassette
- Console
- Floor Ceiling

RHI Pro Tip

The **Gree Multi PRO** is ideal for handling today's challenging spaces. With the outdoor unit's small footprint and long piping capabilities, the system provides optimal installation flexibility and efficiency. Connect to a conventional-style multi-position air handler, high wall, or any of the other 7 ducted and ductless indoor unit options. With ULTRA heating & cooling options, the MultiPRO can also handle up to 10 zones with just one outdoor unit.



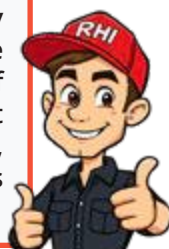
WALL MOUNT



HORIZONTAL DUCT



FLOOR / CEILING



2-WAY CEILING



1-WAY CEILING



COMPACT
CEILING



CONSOLE



4-WAY CEILING



MULTI POSITION AHU

MultiPRO Evaporator Units



| Model # | Mounting Style | Indoor unit Dimensions (W x H x D) | Cool BTU • Heat BTU | Line Size (Liquid - Gas) |
|--------------------|---|------------------------------------|---------------------|--------------------------|
| GMV-ND07G/B4B-T(U) | Wall Mount | 33.25" x 8.25" x 11.5" | 7,500 8,500 | 1/4" x 3/8" |
| GMV-ND09G/B4B-T(U) | | | 9,500 10,500 | |
| GMV-ND12G/B4B-T(U) | | | 12,000 13,500 | 1/4" x 1/2" |
| GMV-ND14G/B4B-T(U) | | | 15,000 17,000 | |
| GMV-ND18G/B4B-T(U) | | 42.5" x 12.75" x 9.75" | 18,000 20,000 | 3/8" X 5/8" |
| GMV-ND24G/B4B-T(U) | | | 24,000 25,500 | |
| GMV-ND30G/B4B-T(U) | | 53.25" x 10.25" x 12.75" | 30,000 34,000 | |
| GMV-ND36G/B4B-T(U) | | | 32,500 36,000 | |
| GMV-ND12A/B-T(U) | Multi Position Air Handler | 43.5" x 18.5" x 21 .25" | 12,000 13,500 | 1/4" x 1/2" |
| GMV-ND18A/B-T(U) | | | 18,000 20,000 | 3/8" X 5/8" |
| GMV-ND24A/B-T(U) | | | 24,000 27,000 | |
| GMV-ND30A/B-T(U) | | | 30,000 34,000 | |
| GMV-ND36A/B-T(U) | | 48.25" x 21.5" x 21.25" | 36,000 40,000 | |
| GMV-ND42A/B-T(U) | | | 42,000 47,000 | |
| GMV-ND48A/B-T(U) | | 57" x 24.75" x 21.25" | 48,000 54,000 | |
| GMV-ND60A/B-T(U) | | | 60,000 66,000 | 3/8" X 3/4" |
| GMV-ND07T/C-T(U) | 4-Way Ceiling Cassette | 33" x 33" x 9.5" | 7,500 8,500 | 1/4" x 3/8" |
| GMV-ND09T/C-T(U) | | | 9,500 10,500 | 1/4" x 1/2" |
| GMV-ND12T/C-T(U) | | | 12,000 13,500 | 3/8" X 5/8" |
| GMV-ND18T/C-T(U) | | | 18,000 20,000 | |
| GMV-ND24T/C-T(U) | | | 24,000 27,000 | |
| GMV-ND30T/C-T(U) | | | 30,000 34,000 | |
| GMV-ND36T/C-T(U) | | 33" x 33" x 11 .5" | 36,000 40,000 | |
| GMV-ND42T/C-T(U) | | | 42,000 47,000 | |
| GMV-ND48T/C-T(U) | | | 48,000 54,000 | |
| GMV-ND07T/E-T(U) | 4-Way Compact Ceiling (4x4 Ceiling Grid) | 22.5" x 22.5" x 10.5" | 7,500 8,500 | 1/4" x 3/8" |
| GMV-ND09T/E-T(U) | | | 9,500 10,500 | 1/4" x 1/2" |
| GMV-ND12T/E-T(U) | | | 12,000 13,500 | |
| GMV-ND15T/E-T(U) | | | 15,000 17,000 | 3/8" X 5/8" |
| GMV-ND18T/E-T(U) | | | 18,000 20,000 | |

Gree MultiPRO also offers a 1-Way and 2-Way Ceiling Cassette Evaporators.

More Evaporator Units









| Model # | Mounting Style | Indoor unit Dimensions (W x H x D) | Cool BTU • Heat BTU | Line Size (Liquid - Gas) |
|--------------------|------------------------------------|------------------------------------|---------------------|--------------------------|
| GMV-ND07PHS/B-T(U) | Horizontal Slim Ducted Air Handler | 27.5" X 27.5" X 11.75" | 7,500 8,500 | 1/4" x 3/8" |
| GMV-ND09PHS/B-T(U) | | | 9,500 10,500 | 1/4" x 1/2" |
| GMV-ND12PHS/B-T(U) | | | 12,000 13,500 | |
| GMV-ND15PHS/B-T(U) | | 39.5" X 27.5" X 11.75" | 15,000 17,000 | |
| GMV-ND18PHS/B-T(U) | | | 18,000 20,000 | 3/8" X 5/8" |
| GMV-ND22PHS/B-T(U) | | | 24,000 24,000 | |
| GMV-ND24PHS/B-T(U) | | 55" X 27.5" X 11.75" | 24,000 27,000 | |
| GMV-ND30PHS/B-T(U) | | | 30,000 34,000 | 3/8" X 3/4" |
| GMV-ND36PHS/B-T(U) | | | 36,000 40,000 | |
| GMV-ND42PHS/B-T(U) | | | 42,000 47,000 | |
| GMV-ND48PHS/B-T(U) | | | 48,000 54,000 | 3/8" X 3/4" |
| GMV-ND54PHS/B-T(U) | | | 54,000 60,000 | |
| GMV-NDX42P/A-T(U) | Horizontal w/ 100% Outdoor Air | 55" X 27.5" X 11.75" | 42,000 47,000 | 3/8" X 5/8" |
| GMV-NDX48P/A-T(U) | | | 48,000 54,000 | 3/8" X 3/4" |
| GMV-NDX54P/A-T(U) | | | 54,000 60,000 | |
| GMV-ND07C/A-T(U) | Console Units | 27.5" X 23.5" X 8.5" | 7,500 8,500 | 1/4" x 3/8" |
| GMV-ND09C/A-T(U) | | | 9,500 10,500 | 1/4" x 1/2" |
| GMV-ND12C/A-T(U) | | | 12,000 13,500 | |
| GMV-ND18C/A-T(U) | | | 18,000 20,000 | 3/8" X 5/8" |
| GMV-ND09ZD/A-T(U) | Floor/Ceiling Units | 48" X 27.5" X 9" | 9,500 10,500 | |
| GMV-ND12ZD/A-T(U) | | | 12,000 13,500 | |
| GMV-ND18ZD/A-T(U) | | | 18,000 20,000 | |
| GMV-ND24ZD/A-T(U) | | 56" X 27.5" X 9.5" | 24,000 27,000 | |
| GMV-ND30ZD/A-T(U) | | | 30,000 34,000 | |
| GMV-ND36ZD/A-T(U) | | 67" X 27.5" X 9.5" | 36,000 40,000 | |
| GMV-ND42ZD/A-T(U) | | | 42,000 47,000 | |
| GMV-ND48ZD/A-T(U) | | | 48,000 54,000 | |



RHI Advantage

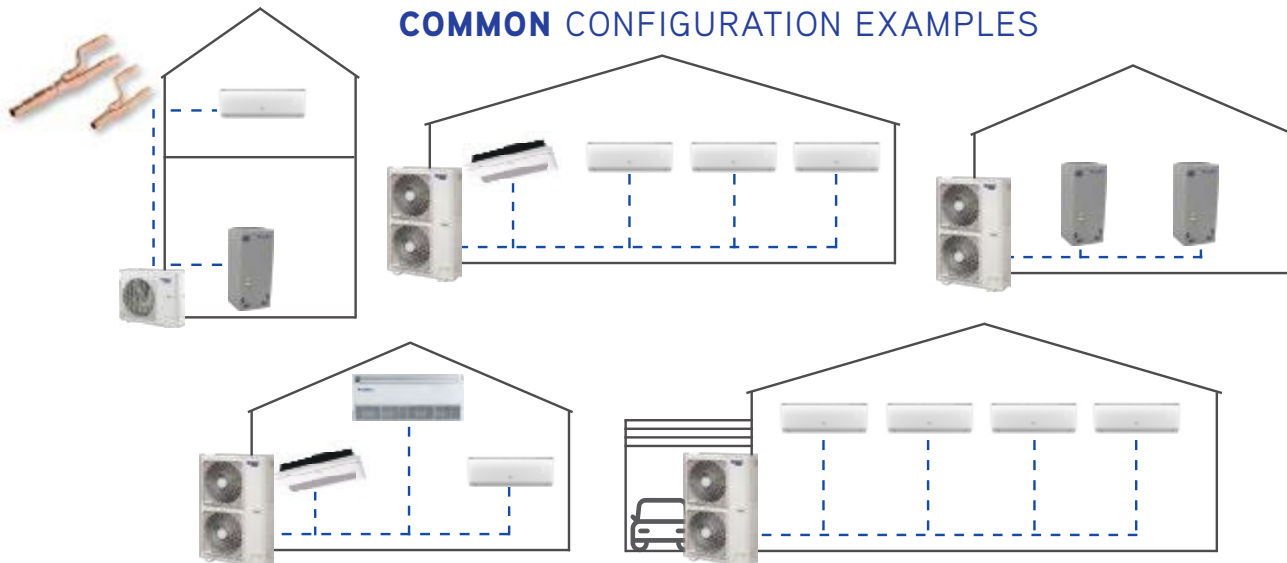
Call us to help you with your quote. We'll make sure you have the proper Evaps, Y-branches, line sizes, controls - everything you need for a successful job!

MULTIPRO CONTROLLERS

| | | | | |
|---------------|---|---|--|--|
| YAP1F |  | INCLUDED | HIGH WALL CEILING CASSETTES FLOOR CEILING CONSOLE | Wireless Remote Controller <ul style="list-style-type: none"> Included with all ductless units including High Wall, Ceiling Cassettes, Floor Ceiling, and Consoles Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more |
| XK46 |  | ALL DUCTED UNITS EXCEPT MULTI-POSITION AIR HANDLER | ALL INDOOR UNIT TYPES | Basic Wired Controller (Non-Programmable) <ul style="list-style-type: none"> Included with all ducted-style units except for the Multi-Position Air Handler Capacitive touch screen ensures long life Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more Enables access to user and engineering parameters and can display all troubleshooting data including indoor and outdoor data |
| XK79 |  | NONE | ALL INDOOR UNIT TYPES | Gate Control Wired Controller (With Remote On/Off) (Non-programmable) <ul style="list-style-type: none"> Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more Enables access to user and engineering parameters and can display all troubleshooting data Remote operation interface built in. Connect to door switches, motion sensors, and more |
| XE70-33/H |  | MULTI-POSITION AIR HANDLER | ALL INDOOR UNIT TYPES | 7-Day Programmable Wired Controller with Gate Control (Remote On/Off) <ul style="list-style-type: none"> Included with Multi-Position Air Handler Capacitive touch screen ensures long life Seven Day programmable. Set up to 4 weekly schedules and enable or disable specific days within a schedule Remote operation interface built in. Connect to door switches, motion sensors, and more Enables access to user and engineering parameters and can display all troubleshooting data including indoor and outdoor data Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more |
| CE52-24/(F/C) |  | NONE | ALL INDOOR UNIT TYPES | E-Smart Zone Central Controller <ul style="list-style-type: none"> Allows central control of up to 16 systems and 32 indoor units Seven Day programmable. Set up to 4 weekly schedules and enable or disable specific days within a schedule Operate and schedule individual units or set multiple groups of units to be controlled at the same time Customizable names and icons for each zone Easy-to-read color touchscreen (3-3/8"H x 5"W). Only 7/16" thick when flush-mounted Includes galvanized mounting box with grommets for non-flush-mount installation (1-1/2" thick) Independent power supply (100-240V) |
| ME32-33/H |  | NONE | ALL INDOOR UNIT TYPES | Universal 24V Adapter with Dry Contact Interface <ul style="list-style-type: none"> Enables use of your favorite third-party 24VAC thermostat or control system Up to three fan speeds (G1, G2, G3) Four sets of dry contacts are available for broad control including remote on/off, emergency shut down, and more 24V transformer is required unless installed with a Multi-Position Air Handler |

FQ01A/A MultiPRO Y-Branch Adapter for Linesets
-- Capacities 68,000 BTU and Less, Universal to Multiple Connection Sizes

COMMON CONFIGURATION EXAMPLES



Flexx DC Inverter Heat Pumps



| Model # | RHI Stocks | Description |
|------------------|------------|---|
| FLEXX36HP230V1AO | ✓ | 2 - 3 Ton Condensing Unit, works with either: FLEXX24HP230V1AH or FLEXX36HP230V1AH |
| FLEXX60HP230V1AO | ✓ | 4 - 5 Ton Condensing Unit, works with either: FLEXX48HP230V1AH or FLEXX60HP230V1AH |

Flexx Indoor Air Handler and A-Coils



| Model # | RHI Stocks | Description | |
|------------------|------------|--|--|
| FLEXX24HP230V1BH | — | 2 Ton Air Handler and Coil | 3/8" x 3/4" Flare |
| FLEXX36HP230V1BH | ✓ | 3 Ton Air Handler and Coil | Only Suction Line Insulated 10' Minimum Run 100' Maximum Run |
| FLEXX48HP230V1BH | — | 4 Ton Air Handler and Coil | |
| FLEXX60HP230V1BH | ✓ | 5 Ton Air Handler and Coil | |
| FLEXXHTR10 | ✓ | 10 KW Electric Strip Heat Kit | Used with all sizes |
| FLEXXHTR15 | — | 15 KW Electric Strip Heat Kit | Use with FLEXX48HP230V1BH & FLEXX60HP602301VBH Only |
| FLEXXHTR20 | ✓ | 20 KW Electric Strip Heat Kit | |
| FLEXX24C | — | 2 Ton Cased Coil w/ TXV, 17.5 W, 21.25 D, 23 H | 3/8" x 3/4" Flare |
| FLEXX36C | ✓ | 3 Ton Cased Coil w/ TXV, 17.5 W, 21.25 D, 23 H | Only Suction Line Insulated 10' Minimum Run 100' Maximum Run |
| FLEXX48C | — | 4 Ton Cased Coil w/ TXV, 24.5 W, 21.25 D, 28.5 H | |
| FLEXX60C | ✓ | 5 Ton Cased Coil w/ TXV, 24.5 W, 21.25 D, 28.5 H | |

FLEXX

PROVIDES **OUTDOOR** AND
INDOOR FLEXIBILITY
WITH **COMFORT**.



- HORIZONTAL DISCHARGE AIR ON OUTDOOR UNIT
- ULTRA HEATING & COOLING CAPABILITIES
- CONVENTIONAL, 24 VAC THERMOSTAT CONTROL
- HIGH EFFICIENCY, UP 20 SEER / 10.5 HSPF

WHEN YOU WANT TO FLEXX

With GREE's EVI Inverter Technology and horizontal discharge, the FLEXX delivers up to 20 SEER efficiency in a smaller, quieter footprint. The FLEXX is ideal for add-on replacements and new construction with ULTRA heating & cooling capabilities.

- High efficiency, up to 20 SEER / 10.5 HSPF
- Cooling range: 5 °F - 118 °F
- Heating range: -22 °F - 75 °F
- Sound levels down to 45 dB(A) on outdoor unit
- Horizontal (side) discharge on outdoor condenser
- Conventional, 24 VAC thermostat control
- Eco-friendly R410A refrigerant

| SYSTEM TYPE | | HEAT PUMP | | | |
|---|---------|--|--------------------------|--------------------------|------------------------|
| Outdoor Model | | FLEX36HP230V1A0 | | FLEX60HP230V1A0 | |
| Indoor Model | | FLEX24HP230V1BH | FLEX36HP230V1BH | FLEX48HP230V1BH | FLEX60HP230V1BH |
| SYSTEM PERFORMANCE | | | | | |
| Cooling Capacity | Btu/h | 24000 | 36000 | 48000 | 54000 |
| Heating Capacity | Btu/h | 24000 | 36000 | 48000 | 54000 |
| SEER / EER | | 20 / 12.5 | 18 / 11 | 18 / 11 | 17 / 10.5 |
| HSPF | | 10.5 | 10 | 10.5 | 10 |
| Cooling Temperature Range | *F | 5 - 118 | | 5 - 118 | |
| Heating Temperature Range | *F | -22 - 75 | | -22 - 75 | |
| Refrigerant Type | | R410A | | | |
| OUTDOOR UNIT DATA | | | | | |
| Power Supply | VAC | 208/230V / 1Ph / 60 Hz | 208/230V / 1Ph / 60 Hz | 208/230V / 1Ph / 60 Hz | 208/230V / 1Ph / 60 Hz |
| Sound Pressure Level | dB(A) | 62 | | 61 | |
| Control Voltage | VAC | 24 | | 24 | |
| Rated Current Cooling | A | 21 | | 28 | |
| Rated Current Heating | A | 25 | | 31 | |
| MCA | A | 24 | | 35 | |
| MOCP | A | 35 | | 45 | |
| External Dimensions (W x H x D) | in | 14 1/2 x 37 x 32 1/4 | | 18 1/8 x 53 5/8 x 39 3/8 | |
| Net Weight | lbs | 217 | | 308 | |
| Gross Weight | lbs | 240 | | 337 | |
| INDOOR UNIT DATA | | | | | |
| Power Supply | VAC | 208/230V / 1Ph / 60 Hz | 208/230V / 1Ph / 60 Hz | 208/230V / 1Ph / 60 Hz | 208/230V / 1Ph / 60 Hz |
| Sound Pressure Level | dB(A) | 45 | 49 | 50 | 51 |
| Control Voltage | VAC | 24 | 24 | 24 | 24 |
| Rated Current Cooling | A | 2.1 | 2.1 | 3.2 | 3.2 |
| Rated Current Heating | A | 2.1 | 2.1 | 3.2 | 3.2 |
| MCA | A | 4 | 4 | 4 | 4 |
| MOCP | A | 15 | 15 | 15 | 15 |
| MCA w / Optional 8 kW Electric Heater | A | 45 | 45 | - | - |
| MOCP w / Optional 8 kW Electric Heater | A | 45 | 45 | - | - |
| MCA w / Optional 15 kW Electric Heater | A | - | - | 55 | 55 |
| MOCP w / Optional 15 kW Electric Heater | A | - | - | 60 | 60 |
| Air Flow | CFM | 940 | 1000 | 1470 | 1600 |
| External Static Pressure | In W.c. | 0.4 | 0.4 | 0.4 | 0.4 |
| Dehumidification | pt/hr | 6.03 | 9.68 | 9.94 | 13.29 |
| External Dimensions (W x H x D) | in | 21 1/4 x 21 1/4 x 48 1/4 | 21 1/4 x 21 1/4 x 48 1/4 | 21 1/4 x 24 3/4 x 57 | 21 1/4 x 24 3/4 x 57 |
| Net Weight | lbs | 156 | 156 | 202 | 202 |
| Gross Weight | lbs | 169 | 169 | 218 | 218 |
| REFRIGERANT PIPING | | | | | |
| Line Set Size (Liquid - Gas) | in | 3/8 - 3/4 | 3/8 - 3/4 | 3/8 - 3/4 | 3/8 - 3/4 |
| Pre-Charge Length | ft | 25 | 25 | 25 | 25 |
| Pipe Length (Min / Max) | ft | 10 / 100 | 10 / 100 | 10 / 100 | 10 / 100 |
| Max. Pipe Elevation | ft | 50 | 50 | 50 | 50 |
| LIMITED WARRANTY | | 5 Years Parts and Compressor - Residential | | | |

The Gree Flexx line is a perfect for a lot of applications. They continue to build on this platform and will introduce more units / match-ups soon!

More Specs



| Model # | Indoor Unit Dimensions (W X H X D) | Outdoor Foot Mount (L X W) | Factory Charge (Up To) | Add Oz. Per Ft Over F.c. | Max Total Length | MCA | Max Breaker Size |
|-------------------------|---------------------------------------|-------------------------------|---------------------------|--|------------------------|-----|------------------------|
| Livo+ Heat Pumps | | | | | | | |
| 4LIV09HP115V1A (H&O) | 33" x 11" x 8" | 18" X 12-1/4" | 25' | 0.2 oz per foot of lineset over 25' | 66' | 16 | 20 |
| 4LIV12HP115V1A (H&O) | | | | | | 20 | 30 |
| 4LIV09HP230V1A (H&O) | | | | | | 9 | 15 |
| 4LIV12HP230V1A (H&O) | | | | | | 11 | 15 |
| 4LIV18HP230V1A (H&O) | 37" x 13" x 10" | 20-1/4" X 13" | | 0.5 oz per foot of lineset over 25' | 82' | 14 | 20 |
| 4LIV24HP230V1A (H&O) | 43" x 13" x 10" | 22-3/8" X 15-5/8" | | | | 15 | 20 |
| 4LIV30HP230V1A (H&O) | 54" x 13" x 10" | 24" X 15-5/8" | | | | 20 | 30 |
| 4LIV36HP230V1A (H&O) | | | | | | 23 | 35 |
| Vireo GEN3 Heat Pumps | | | | | | | |
| 3VIR09HP115V1B (H&O) | 33" x 12" x 8" | 21" X 11-5/16" | 25' | 0.21 oz | 49' | 18 | 25 |
| 3VIR12HP115V1B (H&O) | | 21-5/8" X 13-1/2" | | 0.21 oz | 66' | 21 | 30 |
| 3VIR09HP230V1B (H&O) | | 21" X 11-5/16" | | 0.16 oz | 49' | 9 | 15 |
| 3VIR12HP230V1B (H&O) | | 21-5/8" X 13-1/2" | | 0.21 oz | 66' | 9 | 15 |
| 3VIR18HP230V1B (H&O) | 39" x 13" x 9" | 22" X 14-5/16" | | 0.21 oz | 98' | 16 | 25 |
| 3VIR24HP230V1B (H&O) | 43" x 13" x 10" | 24" X 15-9/16" | | 0.54 oz | 98' | 20 | 30 |
| Vireo+ ULTRA Heat Pumps | | | | | | | |
| VIRU30HP230V1A (H&O) | 54" x 13" x 10" | 23-1/4" X 15-7/8" | 25' | 0.3 oz | 165' | 30 | 50 |
| VIRU36HP230V1A (H&O) | | | | 0.3 oz | | 32 | 50 |
| Sapphire Heat pumps | | | | | | | |
| SAP09HP230V1A (H&O) | 40" x 13" x 9" | 19-3/8" X 13-1/2" | 25' | 0.2 oz | 49' | 9 | 15 |
| SAP12HP230V1A (H&O) | | | | 0.2 oz | 98' | 9 | 15 |
| SAP18HP230V1A (H&O) | 45" x 13" x 10" | 24" X 15-3/8" | | 0.5 oz | 131' | 22 | 30 |
| SAP24HP230V1A (H&O) | | | | 0.5 oz | 164' | 22 | 35 |

Wall Mounted Evaps use 5/8" Drain



USE PHONE CAMERA



FOR QUICK TIP VIDEOS

WARRANTY PROGRAM

Gree Select dealers get to offer a better warranty to their customers. Ask about becoming a Gree Dealer today!



More Specs



| Model # | Outdoor Foot Mount (L X W) | Factory Charge (Up To) | Add Oz. Per Ft Over F.C. | Max Length To 1 Unit | Max Total Length | MCA | Max Breaker Size |
|----------------------------------|----------------------------------|---|-----------------------------|----------------------------|---------------------|---------------|------------------------|
| Multi GEN2 HP Condensing Units | | | | | | | |
| MULTI18HP230V1EO | 20-3/8" x 13" | 33' | 0.2 oz | 66' | 131' | 15 | 20 |
| MULTI24HP230V1EO | 22-1/2" x 14-5/8" | 98' | | | 197' | 19 | 25 |
| MULTI30HP230V1EO | 25" x 15-1/2" | 131' | | 82' | 263' | 23 | 35 |
| MULTI36HP230V1EO | | | | | | 29 | 45 |
| MULTI42HP230V1EO | | 164' | | | | 29 | |
| Multi+ Ultra HP Condensing Units | | | | | | | |
| MULTIU18HP230V1DO | 24" x 15-5/8" | 66' | 0.2 oz | 82' | 164' | 23 | 35 |
| MULTIU24HP230V1DO | | 98' | | | 230' | 23 | 40 |
| MULTIU36HP230V1DO | 24"-7/8" x 16-1/4" | 131' | | | 246' | 36 | 60 |
| MULTIU42HP230V1DO | | 131' | | | 262' | 38 | 60 |
| FLEXX Condensing Units | | | | | | | |
| FLEXX36HP230V1AO | 24" x 19-1/8" | 31' | 0.32 oz. | 164' | - | 24 | 35 |
| FLEXX60HP230V1AO | 24-1/2" x 15-1/2" | | | 100' | - | 35 | 45 |
| MultiPRO Condensing Units | | | | | | | |
| GMV-24WL/C-T(U) | 25-1/2" x 15" | Not Applicable Contact RHI for line sizing and help with charging correctly! | | 985' | 394' | 21 | 25 |
| GMV-28WL/C-T(U) | | | | | | | 30 |
| GMV-36WL/C-T(U) | 22-1/2" x 16" | | | | 492' | 28.5 | 35 |
| GMV-48WL/C-T(U) | | | | | | 33 | 40 |
| GMV-60WL/C-T(U) | | | | | | 24-7/8" x 15" | |
| GMV-36WL/B-T(U) | 22-1/2" x 15" | | | | 37 | 50 | |
| GMV-48WL/B-T(U) | | | | | | | |

GET SMART WITH GREE
 With The New GREE+ App



"Alexa, turn on the Air Conditioning"

R-32 Single-Zone Mini Split Heat Pumps



| | Model # | Volts | SEER2 | EER2 | HSPF2 | Cool BTU • Heat BTU | | Line Size |
|--|--|---|-------|-------|-------|---------------------|------------------------------------|--------------|
| | | | | | | Rating | Range | |
| | Livo R-32 | HEATS TO -13°F, COOLS TO 0°F | | | | | | |
| | LIV09HP115V1R32A (H&O) | 115 | 20.5 | 11.9 | 8.8 | 9,100 10,000 | 8,428 - 14,522 6,916 - 13,300 | 1/4" 3/8" |
| | LIV12HP115V1R32A (H&O) | 115 | 19.0 | 9.3 | 8.5 | 12,000 12,000 | 8,650 - 14,904 7,154 - 14,600 | 1/4" 3/8" |
| | LIV09HP230V1R32A (H&O) | 230 | 20.5 | 12.5 | 8.8 | 9,100 10,000 | 6,695 - 11,536 6,831 - 13,136 | 1/4" 3/8" |
| | LIV12HP230V1R32A (H&O) | 230 | 19.0 | 9.75 | 8.5 | 12,000 12,000 | 8,650 - 14,904 7,154 - 14,600 | 1/4" 3/8" |
| | LIV18HP230V1R32A (H&O) | 230 | 20.0 | 12.35 | 8.5 | 18,000 19,100 | 9,770 - 22,155 9,081 - 22,838 | 1/4" 1/2" |
| | LIV24HP230V1R32A (H&O) | 230 | 19.0 | 11.9 | 8.5 | 24,000 24,000 | 16,416 - 28,286 13,113 - 25,218 | 1/4" 1/2" |
| | LIV30HP230V1R32A (H&O) | 230 | 22.0 | 10.9 | 9.0 | 30,000 30,000 | 17,954 - 37,210 16,491 - 38,303 | 1/4" 5/8" |
|  | LIV36HP230V1R32A (H&O) | 230 | 21.0 | 10.6 | 8.5 | 33,600 34,600 | 19,001 - 39,380 16,540 - 38,419 | 1/4" 5/8" |
| | Vireo R-32 | HEATS TO -22°F, COOLS TO -20°F (NO LOCKOUT) | | | | | | |
|  | VIR09HP230V1R32A (H&O) | 230 | 26.0 | 15.0 | 10.4 | 9,100 10,500 | 7,261 - 14,522 6,356 - 15,013 | 1/4" 3/8" |
|  | VIR12HP230V1R32A (H&O) | 230 | 24.5 | 13.0 | 9.5 | 12,000 12,000 | 8,528 - 17,056 7,691 - 15,695 | 1/4" 1/2" |
|  | VIR18HP230V1R32A (H&O) | 230 | 24.5 | 13.65 | 9.0 | 18,000 18,000 | 15,073 - 30,146 12,970 - 26,470 | 1/4" 1/2" |
| | VIR24HP230V1R32A (H&O) | 230 | 26.0 | 13.65 | 10.0 | 22,000 24,000 | 17,180 - 29,659 12,810 - 31,586 | 1/4" 5/8" |
| | Sapphire R-32 | HEATS TO -22°F, COOLS TO -20°F (NO LOCKOUT) | | | | | | |
|  | SAP09HP230V1R32A (H&O) | 230 | 30.0 | 16.8 | 11.2 | 9,100 10,600 | 7,971 - 15,942 8,134 - 16,600 | 1/4" 1/2" |
|  | SAP12HP230V1R32A (H&O) | 230 | 28.0 | 15.2 | 10.0 | 12,000 12,200 | 9,554 - 19,107 8,632 - 18,766 | 1/4" 1/2" |
|  | SAP18HP230V1R32A (H&O) | 230 | 27.5 | 14.3 | 10.0 | 18,000 18,600 | 10,768 - 27,381 9,878 - 27,743 | 1/4" 5/8" |
|  | SAP24HP230V1R32A (H&O) | 230 | 27.0 | 13.95 | 10.0 | 22,000 24,000 | 17,654 - 35,308 16,111 - 32,879 | 1/4" 5/8" |
| | (H&O)? - Evap Model Numbers end in "H" & Condensing Unit Model Numbers end in an "O" | | | | | | | |



- Auto Clean
- Dehumidification
- I-Feel functionality
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

LIVO systems deliver great performance and efficiency while also keeping your budget in mind. Like all GREE systems, the variable speed compressor and intelligent design allow for ease-of-use, reliability, and quiet operation.



- Auto Clean
- Dehumidification
- I-Feel functionality
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

VIREO systems provide the utmost flexibility and performance. With a wide range of indoor unit options, the Vireo fits with any decor or situation. The system's high performance delivers ample heating and cooling for both seasons and operates with utmost efficiency. Finally, the VIREO is whisper-quiet for ultimate comfort.



- Precise airflow control
- Intelligent pre-heating & defrost
- Auto-Clean
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation & low voltage start-up
- Sleep & Timer functions
- Swing louver control

SAPPHIRE is the product of choice for its sleek design, quiet operation, and industry-leading efficiency. For all applications, the performance data speaks for itself. Experience the next generation of mini-splits.

BEFORE YOU INSTALL A GREE MINI-SPLIT



INSTALL SUPPORT

www.greecomfort.com/videos

www.greecomfort.com/before-you-install

SCAN FOR QUICK TIP VIDEOS

TOOLS REQUIRED

- Flaring tool
- Clamp-on amp meter
- Wrenches (std / adj / torque)
- Vacuum pump
- Refrigerant scale
- Micron gauge
- Manifold & gauges
- Drill & drill bits
- Hole saw
- Pipe cutter
- Hex keys (allen wrenches)
- Level
- Screwdrivers (flat & Phillips head)
- Safety goggles & gloves
- A2L compatible, left-hand thread adapter & charge hose



In Cold Weather, Compressor must warm up before system start-up.

First connect power to Outdoor Unit for time period below.

Above 50°F = 1 Hour

32°F - 50°F = 2 Hour

14°F - 32°F = 4 Hour

Below 14°F = 8 Hour

As reference, use the coldest temperature in the last 24 hours.

R-32 Multi-Zone Heat Pump Condensing Units



| Model # | RHI Stocks | SEER2 | EER2 | HSPF2 | Cool BTU • Heat BTU | | Evaps |
|-------------------|-------------|--------------------------------|------|-------|---------------------|------------------------------------|-------|
| | | | | | Rating | Range | |
| Multi R-32 | | HEATS TO -22°F, COOLS TO -22°F | | | | | |
| MUL18HP230V1R32AO | ✓ | 21 | 12.0 | 10.0 | 18,000 18,000 | 5,434 - 23,495 5,397 - 19,800 | 2 |
| MUL24HP230V1R32AO | ✓ | 21 | 13.3 | 10.0 | 24,000 24,000 | 6,292 - 28,772 8,704 - 26,400 | 2 - 3 |
| MUL30HP230V1R32AO | ✓ | 21 | 13.6 | 10.0 | 28,400 30,000 | 7,198 - 32,915 11,305 - 33,000 | 2 - 4 |
| MUL36HP230V1R32AO | ✓ | 21 | 12.0 | 10.0 | 36,000 36,000 | 10,275 - 46,989 13,506 - 39,600 | 2 - 4 |
| MUL42HP230V1R32AO | ✓ | 21 | 13.0 | 10.0 | 42,000 42,000 | 11,765 - 53,799 14,007 - 46,200 | 2 - 5 |
| MUL48HP230V1R32AO | Coming Soon | 21 | 12.0 | 10.0 | 48,000 48,000 | 11,765 - 53,799 14,007 - 49,200 | 2 - 5 |

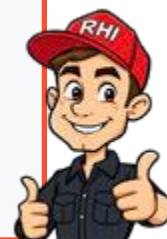
HIGH EFFICIENCY MULTI-ROOM DUCTLESS SYSTEMS



Ducted evaps and wired remotes are also available

RHI Pro Tip

RHI has so many options in stock! Check out [Page 237](#) to determine how many Evaporator Units each Multi Condenser can handle for your job.



R-32 Multi-Zone Evaporator Options



| Model # | Evaporator Style | Indoor Unit Dimensions (W x H x D) | Cool BTU | Heat BTU | Line size |
|-------------------|-------------------------|--|----------|----------|-------------|
| LIV07HP230V1R32AH | Wall Mount | 33" x 11" x 8" | — | — | — |
| LIV09HP230V1R32AH | | 33" x 11" x 8" | 9,100 | 10,000 | 1/4" x 3/8" |
| LIV12HP230V1R32AH | | 33" x 11" x 8" | 12,000 | 12,000 | 1/4" x 3/8" |
| LIV18HP230V1R32AH | | 38" x 13.5" x 9.75" | 18,000 | 19,100 | 1/4" x 1/2" |
| LIV24HP230V1R32AH | | 43" x 13.5" x 9.75" | 24,000 | 24,000 | 1/4" x 1/2" |
| CAS09HP230V1R32AH | Ceiling Cassette | 22.5" x 22.5" x 10.5" | 9,100 | 10,500 | 1/4" x 3/8" |
| CAS12HP230V1R32AH | | 22.5" x 22.5" x 10.5" | 12,000 | 12,000 | 1/4" x 3/8" |
| CAS18HP230V1R32AH | | 22.5" x 22.5" x 10.5" | 18,000 | 18,000 | 1/4" x 1/2" |
| CAS24HP230V1R32AH | | 33.25" x 33.25" x 9.5" | 22,000 | 24,000 | 1/4" x 5/8" |
| TF05 | | Decorative Grille-12K & 18K Ceiling Cassettes (24.5" x 24.5" x 2") | | | |
| TF06 | | Decorative Grille-24K Ceiling Cassettes (37.5" x 37.5" x 2.5") | | | |
| OWC09HP230V1R32AH | 1-Way Ceiling Cassette | 39" x 15.25" x 7" | 9,100 | 10,500 | 1/4" x 3/8" |
| OWC12HP230V1R32AH | | 39" x 15.25" x 7" | 12,000 | 12,000 | 1/4" x 3/8" |
| OWC18HP230V1R32AH | | 39" x 15.25" x 7" | 18,000 | 18,000 | 1/4" x 1/2" |
| TD01 | | Decorative Grille for 1-Way Ceiling Units | | | |
| FLR09HP230V1R32AH | Floor/Ceiling Unit | 34.25" x 26.25" x 9.25" | 9,100 | 10,500 | 1/4" x 3/8" |
| FLR12HP230V1R32AH | | 34.25" x 26.25" x 9.25" | 12,000 | 12,000 | 1/4" x 1/2" |
| FLR18HP230V1R32AH | | 34.25" x 26.25" x 9.25" | 18,000 | 18,000 | 1/4" x 1/2" |
| FLR24HP230V1R32AH | | 34.25" x 26.25" x 9.25" | 22,000 | 24,000 | 1/4" x 5/8" |
| CON09HP230V1R32AH | Mini Console Unit | 27.5" x 23.75" x 8.5" | 9,100 | 10,500 | 1/4" x 3/8" |
| CON12HP230V1R32AH | | 27.5" x 23.75" x 8.5" | 12,000 | 12,000 | 1/4" x 1/2" |
| CON18HP230V1R32AH | | 27.5" x 23.75" x 8.5" | 18,000 | 18,000 | 1/4" x 1/2" |
| DUC09HP230V1R32AH | Slim Ducted High Static | 32.75" x 29.75" x 11.75" | 9,100 | 10,500 | 1/4" x 3/8" |
| DUC12HP230V1R32AH | | 32.75" x 29.75" x 11.75" | 12,000 | 12,000 | 1/4" x 3/8" |
| DUC18HP230V1R32AH | | 44.5" x 29.75" x 11.75" | 18,000 | 18,000 | 1/4" x 5/8" |
| DUC24HP230V1R32AH | | 44.5" x 29.75" x 11.75" | 22,000 | 24,000 | 1/4" x 5/8" |

All The Evap Styles Listed In Red Can Also Be Used As A Single Zone With A Vireo Condensing Unit

Matching combinations and capacities:

The Multi R-32 allows you to substitute a 7K head anywhere a 9k is listed.

| MODEL NUMBER | TWO UNITS | THREE UNITS | FOUR UNITS | FIVE UNITS |
|--|---------------------|-------------------|-------------------|----------------|
| MUL18HP230V1R32AO | 9+9 | | | |
| | 9+12 | | | |
| | 12+12 | | | |
| MUL24HP230V1R32AO | ABOVE SIZES PLUS: | | | |
| | 9+18 | | | |
| | 12+18 | | | |
| | 18+18 | | | |
| | | | | |
| MUL30HP230V1R32AO | ABOVE SIZES PLUS: | ABOVE SIZES PLUS: | | |
| | 9+24 | 9+9+24 | | |
| | 12+24 | 9+12+18 | | |
| | 18+24 | 12+12+18 | | |
| | | | | |
| MUL36HP230V1R32AO | ABOVE SIZES PLUS: | ABOVE SIZES PLUS: | ABOVE SIZES PLUS: | |
| | 9+24 | 9+9+24 | 9+9+9+24 | |
| | 12+24 | 9+12+24 | 9+9+12+18 | |
| | 18+24 | 9+18+18 | 9+9+12+24 | |
| | 24+24 | 9+18+24 | 9+9+18+18 | |
| | | 12+12+24 | 9+12+12+12 | |
| | | 12+18+18 | 9+12+12+18 | |
| | | 12+18+24 | 12+12+12+12 | |
| MUL42HP230V1R32AO MUL48HP230V1R32AO | ALL THE ABOVE SIZES | ABOVE SIZES PLUS: | ABOVE SIZES PLUS: | |
| | | 9+24+24 | 9+9+18+24 | 9+9+9+9+9 |
| | | 12+24+24 | 9+12+12+24 | 9+9+9+9+12 |
| | | 18+18+24 | 9+12+18+18 | 9+9+9+9+18 |
| | | | 9+12+18+24 | 9+9+9+9+24 |
| | | | 9+18+18+18 | 9+9+9+12+12 |
| | | | 12+12+12+24 | 9+9+9+12+18 |
| | | | 12+12+18+18 | 9+9+9+12+24 |
| | | | | 9+9+9+18+18 |
| | | | | 9+9+12+12+12 |
| | | | | 9+9+12+12+18 |
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| | | | | 12+12+12+12+12 |
| | | | | 9+9+12+12+18 |
| | | | | 9+12+12+12+12 |
| | | | | 9+12+12+12+18 |
| | | | | 12+12+12+12+12 |

RHI Pro Tip

Choose your lineset based on your evaporator line sizes. The flare adapters needed to connect the linesets to the condensing unit come with the outdoor unit!



FLEXX Unit: DC Inverter Heat Pumps



| Model # | Description | Works With |
|-------------------|-----------------------|-------------------|
| FXU24HP230V1R32AO | 2 Ton Condensing Unit | FXU24HP230V1R32AH |
| FXU36HP230V1R32AO | 3 Ton Condensing Unit | FXU36HP230V1R32AH |
| FXU48HP230V1R32AO | 4 Ton Condensing Unit | FXU48HP230V1R32AH |
| FXU60HP230V1R32AO | 5 Ton Condensing Unit | FXU60HP230V1R32AH |



FLEXX Unit: Indoor Air Handlers



| Model # | Description | Connection |
|-------------------|----------------------------|---|
| FXU24HP230V1R32AH | 2 Ton Air Handler and Coil | 3/8" x 3/4" Flare Only Suction Line Insulated 10' Minimum Run 100' Maximum Run |
| FXU36HP230V1R32AH | 3 Ton Air Handler and Coil | |
| FXU48HP230V1R32AH | 4 Ton Air Handler and Coil | |
| FXU60HP230V1R32AH | 5 Ton Air Handler and Coil | |



A CENTRAL AIR SYSTEM THAT
DELIVERS **FLEXIBILITY IN
EXTREME CLIMATES**

ALL THE FLEXIBILITY, EFFICIENCY AND PERFORMANCE IN ONE

UP TO 18.5 SEER2 /
11.7 EER2 / 10.5 HSPF2
EFFICIENCY

COOLING RANGE: 5°F - 129°F

HEATING RANGE: -22°F - 75°F

MAXIMUM LINE LENGTH: 164 FT.

The FLEXX ULTRA is the ideal central air system for even the most challenging environments. With 24 VAC and a horizontal (side) discharge design, this system delivers top performance for new construction and the add-on replacement markets.

- Up to 18.5 SEER2 / 10.5 HSPF2
- Operation Range -22°F~130°F
- 100% Cooling Capacity at 115°F
- 100% Heating Capacity at 5°F
- RS485 Communication and Universal 24V Control
- Multi-Position Air Handler
- Eco Friendly R32 Refrigerant
- Ultra Heat & Dual Fuel Compatible

Additional Specs



| Model # | Indoor Unit Dimensions (W x H x D) | Outdoor Foot Mount (L x W) | Factory Charge (up to) | Add Oz. Per Over F.C. | Max Total Length | MCA | Max Breaker Size |
|-----------------------------------|---------------------------------------|-------------------------------|---------------------------|---|------------------------|--------|------------------------|
| LIVO R-32 | | | | | | | |
| LIV09HP115V1R32A | 33" x 11" x 8" | 18" x 12" | 25' | 0.2 oz. per foot of lineset over 25' | 66' | 19 | 20 |
| LIV12HP115V1R32A | | | | | | 19 | 20 |
| LIV09HP230V1R32A | | | | | | 10 | 15 |
| LIV12HP230V1R32A | | | | | 12 | 15 | |
| LIV18HP230V1R32A | 38" x 14" x 10" | 20" x 13" | | 82' | 13 | 15 | |
| LIV24HP230V1R32A | 43" x 14" x 10" | 22.5" x 14.6" | | 0.1 oz. | 131' | 15 | 20 |
| LIV30HP230V1R32A | | 24" x 15.6" | | 0.4 oz. | | 25.6 | 35 |
| LIV36HP230V1R32A | | | | | | 23 | 35 |
| VIREO R-32 | | | | | | | |
| VIR09HP230V1R32A | 33" x 12" x 8" | 20.25" x 13.25" | 25' | 0.2 oz | 66' | 10 | 15 |
| VIR12HP230V1R32A | | 22.5" x 14.6" | | | | 131' | 10 |
| VIR18HP230V1R32A | | | | 0.4 oz | 16 | | 20 |
| VIR24HP230V1R32A | | 22 | | | 30 | | |
| SAPPHIRE R-32 | | | | | | | |
| SAP09HP230V1R32A | 40" x 13" x 9" | 20.8" x 13.7" | 25' | 0.2 oz | 131' | 11 | 15 |
| SAP12HP230V1R32A | | 45" x 13" x 10" | | 22.5" x 14.6" | | 0.4 oz | 11 |
| SAP18HP230V1R32A | 24" x 16" | | | 20 | | | 25 |
| SAP24HP230V1R32A | | | | 25 | | | 40 |
| Wall Mounted Evaps Use 5/8" Drain | | | | | | | |

USE PHONE CAMERA

FOR QUICK TIP VIDEOS

WARRANTY PROGRAM

Gree Select dealers get to offer a better warranty to their customers. Ask about becoming a Gree Dealer today!



Additional Specs



| Model # | Outdoor Foot Mount (L x W) | Factory Charge (up to) | Add Oz. Per Over F.C. | Max Length To 1 Unit | Max Total Length | MCA | Max Breaker Size |
|--------------------------|----------------------------|---|-----------------------|----------------------|------------------|------|------------------|
| Multi R-32 | | | | | | | |
| MUL18HP230V1R32AO | 20.2" x 13.1" | 33' | 0.2 oz | 66' | 131' | 18.5 | 20 |
| MUL24HP230V1R32AO | 22.5" x 14.6" | 98' | | | 197' | 19.5 | 25 |
| MUL30HP230V1R32AO | 25" x 15-1/2" | 131' | | 82' | 263' | 23 | 35 |
| MUL36HP230V1R32AO | | | | | | 29 | 35 |
| MUL42HP230V1R32AO | | 164' | | | 328' | 29 | 35 |
| MUL48HP230V1R32AO | | | | | | 30 | 45 |
| Flexx R-32 | | | | | | | |
| FXU24HP230V1R32AO | 29.75" x 15.5" | 25' | 0.32 oz. | N/A | 164' | 21 | 25 |
| FXU36HP230V1R32AO | | | | | | 27.7 | 30 |
| FXU48HP230V1R32AO | 49.6" x 15" | | 0.215 oz. | | 98' | 39.9 | 45 |
| FXU60HP230V1R32AO | | | | | | 40 | 45 |
| MultiPRO Condensing Unit | | | | | | | |
| GMV-24WL/C-T(U) | 25-1/2" x 15" | Not Applicable Contact RHI for line sizing and help with charging correctly! | 985' | 492' | 394' | 21 | 25 |
| GMV-28WL/C-T(U) | | | | | | | 30 |
| GMV-36WL/C-T(U) | 22-1/2" x 16" | | | | 492' | 28.5 | 35 |
| GMV-48WL/C-T(U) | | | | | | 33 | 40 |
| GMV-60WL/C-T(U) | 24-7/8" x 15" | | | | | 34.5 | |
| GMV-36WL/B-T(U) | 22-1/2" x 15" | | | | | 37 | 50 |
| GMV-48WL/B-T(U) | | | | | | | |

Mini Split Stands

| Part # | Description |
|----------|--|
| QSMS1200 | Quick Sling 12" High HP Stand (9k - 12k BTU) (OD on Feet = 37" to 43" x 21") (18" x 38" Pad Size) |
| QSMS1201 | Quick Sling 12" High HP Stand (9k - 35k BTU) (OD on Feet = 37" to 43" x 25-1/4") (32" x 44" Pad Size) |
| QSMS1202 | Quick Sling 12" HP Stand For FLEXX (36" x 48" Pad Size) |
| QSWB2000 | Quick Sling Wall Mounted Bracket |
| MINI1627 | Supreme Stand 16" x 27" (Bottom: 21" x 34" - 24" x 36" Pad Size) |
| MINI1832 | Supreme Stand 18" X 32" (Bottom: 23" x 35" - 32" x 44" Pad Size) |
| DTS-1201 | Mini Split Stand - 21" x 33" x 12" High Fits R-32 LIV 9, 12, 18 VIR 9, 12 SAP 9, 12 (24" x 36" Pad Size) |
| DTS-1202 | Mini Split Stand - 22" x 35" x 12" High Fits R-32 LIV 24, 30, 36 VIR 18, 24 SAP 18, 24 (24" x 36" Pad Size) |
| DTS-1203 | Mini Split Stand - 28" x 39" x 12" High Fits Gree Flexx and Other Larger Units, (32" x 44" Pad Size) |



QSWB2000



MINI & DTS



QSMS1201

PolarPad - 3" Thick Plastic HVAC Pads

Features

- Always flat, self-levelling design
- Reinforced sidewalls and wear areas

Features

- Textured surfaces for superior traction
- Resistant to weather, temperature, & UV

| Part # | Size | Material | For Use With |
|----------|----------------|----------|----------------------------|
| 94740 | 18" x 38" x 3" | Plastic | Mini Split Without A Stand |
| 94778 | 24" x 36" x 3" | Plastic | Supreme & DTS -1201& 02 |
| P32X44X3 | 32" x 44" x 3" | Plastic | QSMS1201 & DTS-1203 |
| 94794 | 36" x 48" x 3" | Plastic | QSMS1202 |



POLARPAD

Mini Split Cable

| Part # | Packaging Type | Gauge | Conductors | Length |
|----------|----------------|-------|------------|--------|
| 10703908 | Coil | 14 | 4 | 50' |
| 10700108 | Reel | 14 | 4 | 250' |



-GENESIS-

This 14-4 Wire Is Rated For Sunlight & Direct Burial - Perfect For Mini Splits!

Surge Protection

Features

- Protects up to 50,000-amp single surges and up to 10,000-amp repetitive surges
- Robust gas discharge tube technology

Features

- Green LED indicates unit is protected
- Fully potted to be a weatherproof solution regardless of mount angle

| Part # | Description |
|--------|---|
| RSH-50 | Residential or Commercial Surge Protection Device |



RSH-50

Adapter Fittings



| Part # | Description | Connection |
|--------|---|-----------------------------------|
| 19173 | R-410A Adapter (45°) - For Use With Most Mini Split systems | 5/16" Female QC x 1/4" Male Flare |



19173

Universal Mini Split Remote



Features

- One touch function with LCD display
- 24 hour on/off timer energy savings

Features

- Automatically determines heat or cool mode

| Part # | Description |
|--------|---|
| 65775 | Remote designed to work with virtually any mini split |



65775

Blue Diamond Pump

Features

- Rotary diaphragm runs wet OR dry

Features

- No Priming

| Part # | Volts | Max Head | Sound Level | Max Flow |
|---------------|--|----------|-------------|---------------|
| X86-003 | 120-240 | 16' | 17 d(BA) | Up To 1.3 GPH |
| Accessory Kit | | | | |
| T18-016 | Blue Diamond Fascia Kit for MICROblue - Allows the pump to be mounted below the evaporator | | | |



3 Year Warranty - Ask About This Game Changer Today!

Aspen 'Mini White' Silent+ Condensate Pump



Features

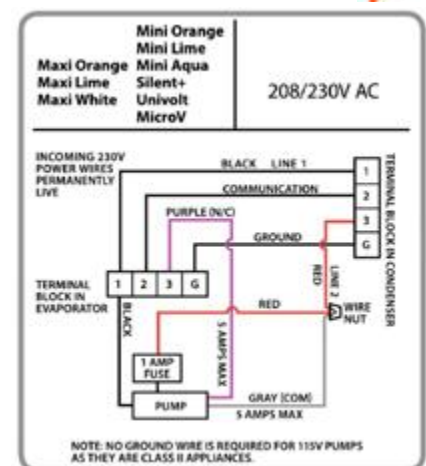
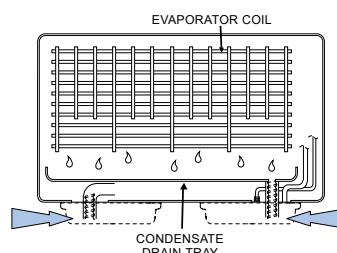
- Fits any mini split up to 54,000 BTU
- Reversible position on the left or right for installation flexibility

Features

- Capacitance technology for soft start and variable flow rate
- Low profile design

| Part # | Volts | Max Head | Capacity |
|--------|---------|----------|------------------------------------|
| 83930 | 120-250 | 33' | 12 GPH @ 0' Head, 6 GPH @ 33' Head |

83939



WIRING TO A GREE

Speciality Items for HVAC

| Product # | Description |
|-----------|---|
| RT201B | Nylog Flare Nut Gasket Seal for ALL Refrigerants (2-PACK) |
| RT400P | Wet-Rag Heat Block Putty - Reusable! |
| 97210 | Rectorseal Flaretite Coated Gaskets (9 sizes) - Eliminate Leaks! |



Mighty Bracket™ Evap Installation Support Tool



Features

- Allows single person installation
- Simple clip on support

Features

- Does not damage walls
- Use on all brands of Mini Splits

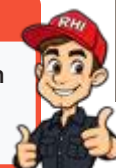
| Part # | Description |
|--------|---|
| 97705 | Rectorseal Service Bracket for Mini Split Evaps |



97705

RHI Pro Tip

Hook onto Mini Split mounting plate to hold Mini Split unit securely in place while installing refrigerant lines, condensate line and electrical hookup. **Perfect for techs that are working on these units alone!**



Telescoping Wall Sleeve

| Part # | Description | Diameter | Length |
|--------|---|----------|---------|
| 83017 | Telescoping wall sleeve for Mini Split installation | 3" | 5" - 7" |



Multidrain Position Rough-In Box



Features

- Designed for wall-mounted mini split installations in new constructions or to-the-studs rehabilitation
- Fits between standard 16" stud centers with 3-1/2" insertion depth

Features

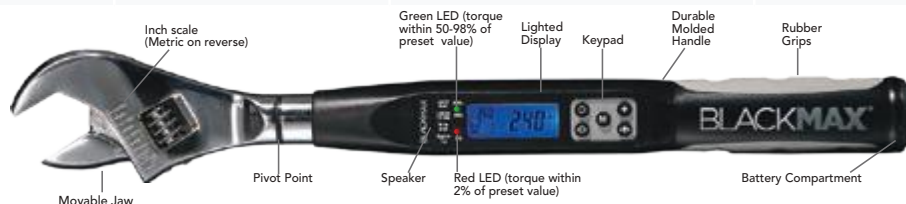
- Supports direct drain connection with both vertical and horizontal condensate discharge options
- Reversible design for installation flexibility

| Part # | Height | Width | Depth |
|------------|--------|-------|--------|
| RBX3-MD-NC | 8" | 14" | 3-1/2" |



BlackMAX® Digital Torque Wrench

| Part # | Description | Toque Measurement Range | Jaw Opening |
|--------|-----------------------|-------------------------|-----------------|
| BTLDTW | Digital Torque Wrench | 8 - 85 N-m | 3/16" to 1-3/8" |



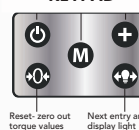
DISPLAY (Enlarged, Light On)



BATTERY COMPARTMENT



KEYPAD



REVERSE SIDE





COVER GUARD™

**ADJUSTABLE
LINE SET COVER**

**4 STAGE
QUICK SNAP COVER
THAT WON'T POP OFF**

AC Cover Guard now offering **Skinny Pipe Cover!!**
The same Cover Guard you love, now available in
a narrower size to accommodate smaller jobs.

Pipe & Fittings

Adjustable Heights: 2 3/16" - 3 3/8"



| | 3" WIDE (SKINNY) | | | 4 1/2" WIDE (STANDARD) | | |
|---------------------|----------------------------|-------|------|------------------------|-------|------|
| | WHITE | BROWN | GRAY | WHITE | BROWN | GRAY |
| (3) CGDUC (B) (G) | Duct Length 4' | | | | | |
| (3) CGDUC78 (B) (G) | Duct Length 6.5' | | | | | |
| (3) CGCUP (B) (G) | Coupling | | | | | |
| (3) CGINLT (B) (G) | Wall Inlet | | | | | |
| (3) CGEND (B) (G) | End Fitting | | | | | |
| (3) CG90 (B) (G) | 90 Deg. Flat Elbow | | | | | |
| (3) CG45 (B) (G) | 45 Deg. Flat Elbow | | | | | |
| (3) CGEXT90 (B) (G) | Vertical 90 - Outside Turn | | | | | |
| (3) CGINT90 (B) (G) | Vertical 90 - Inside Turn | | | | | |
| (3) CGTEE (B) (G) | Tee Fitting | | | | | |
| (3) CGWLFL (B) (G) | Wall Flange | | | | | |
| (3) CGFLXLR (B) (G) | Deep Flex | | | | | |
| (3) CGFLXSM (B) (G) | Shallow Flex | | | | | |
| (3) CGFLXA (B) (G) | Flexible Adapter | | | | | |
| (3) CGSTI (B) (G) | Soffit Inlet | | | | | |

****Add a '3' at the Beginning of the
part number for 3" 'Skinny' Cover
Guard****

****Add a 'B' or 'G' at the End of the
part number for Brown or Gray Cover
Guard****

****Add a '3' at the Beginning of the part number for 3" 'Skinny' Cover Guard****
****Add a 'B' or 'G' at the End of the part number for Brown or Gray Cover Guard****

Hotpoint®

DUCTLESS HEAT PUMP

America's hardest working equipment.

Hotpoint® ductless mini-split systems deliver unmatched heating and cooling at an accessible price point. When pros choose Hotpoint® they're providing homeowners with best-in-class performance, nonstop comfort, and superior reliability — all backed by one of the toughest names in the industry.



ENVIRONMENTALLY COMPLIANT

All Hotpoint® systems use R-32 refrigerant, ensuring that they meet EPA Low GWP refrigerant regulations.*



WI-FI CONNECTIVITY

Hotpoint® systems connect seamlessly to the SmartHQ™ App from GE Appliances, giving homeowners more control over their comfort.



PROTECTIVE BASE PAN HEATER

A built-in base pan heater on outdoor units prevents systems from freezing, keeping systems operating at peak performance.



ALL-SEASON COMFORT

With heating down to -15°F and cooling up to 115°F, homeowners know they're coming home to comfort — no matter the weather outside.



EFFICIENT OPERATION

High-power turbo mode and warm start technology help heat and cool rooms more quickly, and an auto louver adjusts airflow upward when cooling and downward when heating.



HIGH-PERFORMANCE INVERTER TECHNOLOGY

A DC inverter compressor keeps indoor temperatures consistent in almost any climate and helps homeowners save money on energy.



FEDERAL & STATE INCENTIVES

Eligibility for federal and state incentives makes Hotpoint® the easy choice for price-conscious consumers.**



EASY TO INSTALL, EASY TO SERVICE

A mounting template and mounting plate with dimensions make installation a breeze, while an extended kickstand and easy-access control board let you service systems without removing casings. Plus, a two-way piping drain on the right and left sides makes installation easier and ensures units fit in more applications.



WORRY-FREE WARRANTY

Unlock a 5-year limited parts and compressor warranty with registration.



BUILT TO LAST


A hydrophilic aluminum fin helps prevent condensation buildup and ensures water flows through the unit smoothly.



Hotpoint Ductless Heat Pumps

Hotpoint.

| Model # | Volts | SEER2 | EER2 | HSPF2 | Cool BTU • Heat BTU | | Line Size |
|---------------------------------|-------|-------|------|-------|---------------------|----------------|-----------|
| | | | | | Rating | Range | |
| HEATS TO -15 °F, COOLS TO 14 °F | | | | | | | |
| 1H09HN2DAA HW09HW2DAA | 230 | 18 | 12 | 9.5 | 9,000 | 3,100 - 10,000 | 1/4" |
| | | | | | 10,000 | 2,100 - 11,000 | 3/8" |
| 1H12HN2DAA HW12HW2DAA | 230 | 18 | 12 | 9.5 | 12,000 | 3,330 - 13,800 | 1/4" |
| | | | | | 13,000 | 2,800 - 13,300 | 3/8" |
| 1H18HN2DAA HW18HW2DAA | 230 | 18 | 12 | 9.5 | 18,000 | 4,100 - 20,000 | 1/4" |
| | | | | | 19,000 | 3,800 - 20,000 | 1/2" |
| 1H24HN2DAA HW24HW2DAA | 230 | 18 | 10.6 | 9.5 | 24,000 | 4,700 - 25,200 | 1/4" |
| | | | | | 25,000 | 4,300 - 25,600 | 1/2" |

| | | | | |
|---|--|-----|-----|-----|
| DUCTLESS HEAT PUMP MODEL SPECIFICATIONS |  | | | |
| | 09K | 12K | 18K | 24K |

Additional Specs

| Model # | Indoor Unit Dimensions (W x H x D) | Factory Charge (up to) | Add Oz. Per Over F.C. | Max Total Length | MCA | Max Breaker Size |
|--------------------------|------------------------------------|------------------------|-----------------------|------------------|-----|------------------|
| 1H09HN2DAA HW09HW2DAA | 31.75" x 11" x 8" | 25' | 0.2 | 66 | 12 | 15 |
| 1H12HN2DAA HW12HW2DAA | | | | | 12 | 15 |
| 1H18HN2DAA HW18HW2DAA | 34.5" x 12" x 8.5" | 25' | 0.2 | 83 | 14 | 20 |
| 1H24HN2DAA HW24HW2DAA | 43.5" x 13.6" x 9.5" | | | | 18 | 25 |

GE Zonline® HP PTAC - 16" x 42" R-454B



Features

- Electronic touch controls with LED display
- Heat / Freeze Sentinel
- Automatic indoor frost control

Features

- Corrosion protection package
- Remote thermostat compatibility
- Central desk control compatibility
- Mastic sound barrier for quiet operation

| Model # | Description | Volts | BTU | Heat (BTU) |
|-------------|-------------|-----------|--------|-----------------|
| AZHS07DCXXA | GE Zonline® | 208 / 230 | 7,000 | 2.5 - 3.5 kW |
| AZHS09DCXXA | Heat Pump | | 9,000 | Depends on Cord |
| AZHS12DCXXA | Fixed Speed | | 12,000 | 2.5 - 5 kW |
| AZHS15DCXXA | PTAC | | 15,000 | Depends on Cord |

Power Cords For Models Listed Above - 6' w/LCDI

| | |
|---------|---|
| RAK315P | Zonline® Cord - 15 Amp, 230V - Powers 2.5 kW Heat |
| RAK320P | Zonline® Cord - 20 Amp, 230V - Powers 3.5 kW Heat |
| RAK330P | Zonline® Cord - 30 Amp, 230V - Powers 5 kW Heat |



AZHS07DCXXA



RHI Pro Tip

These 16" x 42" Packaged Terminal Heat Pumps fit standard sleeves and are ideal for both new builds and replacements.



RAK315P

RAK520P



15 AMP



20 AMP



30 AMP

GE Accessories



| Part # | Description |
|---------|--|
| RAB42MG | Zonline® Wall Sleeve - For Use With AZHS PTACs |
| RAG60 | Stamped Aluminum Rear Zonline® Grille |
| RAK520P | 265 Volts Universal Power Supply - Three-Foot Power Cord Without LCDI - 4-Pin Connector - Low-Voltage Personality Plug on 20 Amp and 30 Amp Kits - Only For Use in 265 Volt Sub-Bases with New AZ45/65 Units |



RAB60



RAB42MG

GE Air Conditioner PTAC - 16" x 26"

Features

- Electronic touch controls with LED display
- Built-in Wifi powered by SmartHQ™

Features

- Dry Mode for room-air dehumidification
- Reusable washable filter
- Large LCD auto-dimming display

| Model # | Description | BTU | Volts |
|-----------|---|--------|-------|
| AJCM10AWJ | Built-In Cool-Only Air Conditioner - High Mount | 10,000 | 115 |
| AJCQ10AWJ | Built-In Cool-Only Air Conditioner | 10,000 | 115 |
| AJCQ12DWJ | Built-In Cool-Only Air Conditioner | 12,000 | 230 |
| AJEQ08AWH | Built-In Cool Air Conditioner w/ Electric Heat | 8,000 | 115 |



AJCM10AWJ

Switch to Ducane™ today
and earn up to
\$15K
and beyond!

Ducane™
AIR CONDITIONING
AND HEATING

Ways to Earn:

Become a Ducane Dealer and earn **\$50** towards every qualifying motor-bearing unit (MBU), up to 100 units purchased within 24 months of date of enrollment.

Exceed 100 units in the first 12 months to unlock unlimited earnings on purchases within 24 months of date of enrollment!

Qualifications:

Dealer must have purchased less than 12 qualifying Ducane MBUs in the last 12 months.

| Qualifying Motor Bearing Units | Rebate |
|---|------------------------------|
| Outdoor Units (5-ton and under): Condensers, ducted and ductless heat pumps, packaged units, 3 phase splits, and 3 phase packaged units | \$50 USD Per Unit |
| Indoor Units (5-ton and under): Ducted air handlers, gas furnaces, oil furnaces, electric furnaces, and unit heaters | |



Enroll Today!

Terms and Conditions: Enroll as a Ducane dealer with your local participating Allied Air distributor and earn a \$50 rebate for each purchase of the above qualifying Ducane motor-bearing units (MBUs) during the two-year period following date of enrollment (the "Rebate Period"). Coils and ductless indoor units do not qualify. Rebate is earned on the first 100 qualifying Ducane MBUs purchased during the Rebate Period. Purchase 100 units in the first 12 months of enrollment to extend your \$50 rebate for an unlimited number of qualifying units through the remainder of your rebate period. Form and timing of rebate payment (e.g., credit or cash) is at the participating Allied Air distributor's discretion. See distributor for more information. All sales are final. Valid in the U.S. and Canada (excluding Quebec) only. Promotion is subject to change or cancellation without notice.

The Way We Talk About SEER, EER And HSPF Is Changing

SEER2 vs. SEER: What's The Difference?

Beginning in 2023, manufacturers will be required to comply with new, more stringent testing standards for efficiency ratings to more accurately simulate real world home installations. There will be new metrics and new naming for these updated ratings: SEER2, EER2 and HSPF2.

How Are The New Ratings Calculated?

The increased static pressure used during efficiency testing means SEER2 and EER2 ratings will be approximately 5% lower than current SEER and EER ratings. HSPF2 ratings will be approximately 15% lower. This does not equate to a loss of performance.

CURRENT TEST PROCEDURE

UP TO 0.3 ESP



2023 TEST PROCEDURE

0.5 ESP



Up to 5X external static pressure testing helps simulate real world home installations

2023 RATING CALCULATIONS

$$\sim 0.95 \times \text{SEER} = \text{SEER2}$$

$$\sim 0.96 \times \text{EER} = \text{EER2}$$

$$\sim 0.85 \times \text{HSPF} = \text{HSPF2}$$



Providing You With Options Is Our Commitment.



Have questions about equipment transitions? Our team is here to guide you through the changing landscape with **solutions that work for your business.**

Single Stage Air Conditioners

GET IT BEFORE IT'S GONE!
Ducane
 AIR CONDITIONING
 AND HEATING

| Model # | RHI Stocks | Tons | EER | Line Size | Refrigerant |
|-------------|--|-------|------|-------------|-------------|
| 13 SEER | | | | | R-410A |
| 4AC13L42P | ✓ (While Supplies Last) | 3-1/2 | 10.7 | 3/8" X 3/4" | |
| 4AC13L48P | ✓ (While Supplies Last) | 4 | 11.0 | 3/8" X 7/8" | |
| 17 SEER | | | | | |
| 4AC17L18P | ✓ (While Supplies Last) | 1-1/2 | 11.7 | 3/8" X 3/4" | |
| 4AC17L24P | ✓ (While Supplies Last) | 2 | 11.7 | 3/8" X 3/4" | |
| 4AC17L30P | ✓ (While Supplies Last) | 2-1/2 | 11.7 | 3/8" X 3/4" | |
| 4AC17L36P | ✓ (While Supplies Last) | 3 | 11.7 | 3/8" X 3/4" | |
| 4AC17L48P | ✓ (While Supplies Last) | 4 | 11.2 | 3/8" X 7/8" | |
| 4AC17L60P | ✓ (While Supplies Last) | 5 | 11.2 | 3/8" X 7/8" | |
| Accessories | | | | | |
| H4TXV01 | Expansion Valve (TXV) for 1-1/2 to 2-1/2 Ton | | | | |
| H4TXV02 | Expansion Valve (TXV) for 3 to 4 | | | | |
| H4TXV03 | Expansion Valve (TXV) for 5 Ton | | | | |

DUCANE CONDENSING UNIT WARRANTY:

- 5 Year Compressor & Parts (unregistered with the factory)
- 10 Year Compressor & Parts (registered and installed with AHRI matched A-Coil)

Ducane R-410A Single Stage Air Conditioner Features and Benefits:

- High-quality condenser coil with copper for maximum heat transfer capacity
- Top discharge directs hot air away from living area and shrubbery
- Easy access to electrical panels
- Corner mounted service valves for easy hook-up and service
- Liquid line filter drier shipped loose
- All units UL and ULC approved and AHRI listed
- Factory charged with **R-410A** for 15 feet of lineset

Unit Dimensions & Sound Ratings

| Model # | Wide | Deep | High | Sound dB(A) | Wt (Lbs) | MCA | Max Breaker |
|-----------|--------|--------|--------|-------------|----------|------|-------------|
| 4AC13L42P | 28.25" | 28.25" | 28.50" | 79 | 194 | 28.1 | 45 |
| 4AC13L48P | 28.25" | 28.25" | 36.50" | 79 | 192 | 31.9 | 50 |
| 4AC17L18P | 28.25" | 28.25" | 29.25" | 73 | 155 | 12.0 | 15 |
| 4AC17L24P | 28.25" | 28.25" | 37.25" | 75 | 170 | 15.4 | 20 |
| 4AC17L30P | 28.25" | 28.25" | 29.25" | 76 | 180 | 18.4 | 25 |
| 4AC17L36P | 28.25" | 28.25" | 37.25" | 76 | 200 | 17.4 | 30 |
| 4AC17L48P | 28.25" | 28.25" | 43.25" | 78 | 230 | 33.0 | 50 |
| 4AC17L60P | 32.25" | 32.25" | 43.25" | 80 | 260 | 31.3 | 50 |


4AC13L42P

Single Stage Omni Heat Pumps

GET IT BEFORE IT'S GONE!

Ducane
AIR CONDITIONING
AND HEATING

| Model # | RHI Stocks | Tons | EER | HSPF | Line Size | Refrigerant |
|--------------|--|-------|------|------|---------------|-------------|
| 15 SEER | | | | | | R-410A |
| 4HP15L30P-50 | ✓ (While Supplies Last) | 2-1/2 | 11.5 | 8.2 | 3/8" X 3/4" | |
| 4HP15L36P-50 | ✓ (While Supplies Last) | 3 | 12.0 | 8.2 | 3/8" X 7/8" | |
| 17 SEER | | | | | | |
| 4HP17L30P | ✓ (While Supplies Last) | 2-1/2 | 12.2 | 9.2 | 3/8" X 3/4" | |
| 4HP17L36P | ✓ (While Supplies Last) | 3 | 12.5 | 9.6 | 3/8" X 7/8" | |
| 4HP17L60P | ✓ (While Supplies Last) | 5 | 12.5 | 9.6 | 3/8" X 1-1/8" | |
| Accessories | | | | | | |
| H4TXV01 | Expansion Valve (TXV) for 1-1/2 to 2-1/2 Ton | | | | | |
| H4TXV02 | Expansion Valve (TXV) for 3 to 4 | | | | | |
| H4TXV03 | Expansion Valve (TXV) for 5 Ton | | | | | |

DUCANE CONDENSING UNIT WARRANTY:

- 5 Year Compressor & Parts (unregistered with the factory)
- 10 Year Compressor & Parts (registered and installed with AHRI matched A-Coil)

Ducane R-410A Single Stage Omni Heat Pumps Features and Benefits:

- High-efficiency Scroll Compressor
- Compressor is grommet mounted with a sound blanket for quiet operation
- Corner mounted service valves for easy hook-up and service
- Factory installed filter drier
- Quiet-Shift capable to reduce noise during defrost



Unit Dimensions & Sound Ratings

| Model # | Wide | Deep | High | Sound dB(A) | Wt (Lbs) | MCA | Max Breaker |
|--------------|--------|--------|--------|-------------|----------|------|-------------|
| 4HP15L30P-50 | 28.25" | 28.25" | 43.25" | 76 | 183 | 17.0 | 25 |
| 4HP15L36P-50 | 28.25" | 28.25" | 37.25" | 76 | 199 | 18.6 | 30 |
| 4HP17L30P | 28.25" | 28.25" | 33" | 74 | 185 | 15.6 | 25 |
| 4HP17L36P | 32.25" | 32.25" | 33" | 75 | 220 | 17.8 | 30 |
| 4HP17L60P | 32.25" | 32.25" | 43" | 79 | 260 | 32.5 | 50 |



4HP15L30P-50

13.4 SEER2 Single Stage Omni Air Conditioners



| Model # | RHI Stocks | Tons | EER2 | Line Size | Refrigerant |
|-----------|------------|-------|-------|---------------|---------------|
| 7AC13F18P | ✓ | 1-1/2 | 11.0+ | 3/8" x 3/4" | R-454B |
| 7AC13F24P | ✓ | 2 | | 3/8" x 3/4" | |
| 7AC13F30P | ✓ | 2-1/2 | | 3/8" x 3/4" | |
| 7AC13F36P | ✓ | 3 | | 3/8" x 3/4" | |
| 7AC13F42P | ✓ | 3-1/2 | | 3/8" x 3/4" | |
| 7AC13F48P | ✓ | 4 | | 3/8" x 7/8" | |
| 7AC13F60P | ✓ | 5 | | 3/8" x 1-3/8" | |

| Accessories | |
|-------------|---|
| 26Z69 | Sensor for RDS |
| 27A05 | RDS Standard Control Board |
| 27A06 | RDS Control Board for Communicating Equipment |
| 26Z70 | Expansion Valve (TXV) for 1-1/2 to 3 Tons |
| 26Z71 | Expansion Valve (TXV) for 3-1/2 to 4 Tons |
| 26Z72 | Expansion Valve (TXV) for 5 Tons |

DUCANE CONDENSING UNIT WARRANTY:

- 5 Year Compressor & Parts (unregistered with the factory)
- 10 Year Compressor & Parts (registered and installed with AHRI matched A-Coil)

Ducane 7AC13F Features and Benefits:

- High-efficiency single-stage scroll compressor
- Omniguard® aluminum alloy coil with enhanced corrosion resistance
- Used with RDS refrigerant detection system designed to prevent operation when Refrigerant leaks are detected
- Direct drive PSC fan with totally enclosed motor
- High-capacity molecular-sieve liquid line drier
- High- and low-pressure switches for system protection
- Factory charged with R-454B for 15 feet of lineset



Unit Dimensions & Sound Ratings

| Model # | Wide | Deep | High | Sound dB(A) | Wt (Lbs) | MCA | Max Breaker |
|-----------|---------|---------|---------|-------------|----------|------|-------------|
| 7AC13F18P | 24-1/4" | 24-1/4" | 25-1/4" | 73 | 128 | 11.1 | 15 |
| 7AC13F24P | 24-1/4" | 24-1/4" | 29-1/4" | 76 | 134 | 13.5 | 20 |
| 7AC13F30P | 28-1/4" | 28-1/4" | 29-1/4" | 76 | 152 | 16.6 | 25 |
| 7AC13F36P | 28-1/4" | 28-1/4" | 33-1/4" | 76 | 161 | 17.8 | 30 |
| 7AC13F42P | 28-1/4" | 28-1/4" | 37-1/4" | 76 | 195 | 21.2 | 35 |
| 7AC13F48P | 28-1/4" | 28-1/4" | 29-1/4" | 78 | 215 | 24.3 | 40 |
| 7AC13F60P | 28-1/4" | 28-1/4" | 37-3/4" | 80 | 250 | 31.3 | 50 |



7AC13F18P

14.3 SEER2 Single Stage Omni Heat Pumps



| Model # | Tons | SEER2 | EER2 | HSPF2 | Line Size | Refrigerant |
|-----------|-------|--------|--------|-------|---------------|---------------|
| 7HP14F18P | 1-1/2 | 14.3+* | 11.7+* | 7.5+* | 3/8" x 3/4" | R-454B |
| 7HP14F24P | 2 | | | | 3/8" x 3/4" | |
| 7HP14F30P | 2-1/2 | | | | 3/8" x 3/4" | |
| 7HP14F36P | 3 | | | | 3/8" x 7/8" | |
| 7HP14F42P | 3-1/2 | | | | 3/8" x 7/8" | |
| 7HP14F48P | 4 | | | | 3/8" x 7/8" | |
| 7HP14F60P | 5 | | | | 3/8" x 1-1/8" | |

Accessories

| | |
|-------|---|
| 26Z69 | Sensor for RDS |
| 27A05 | RDS Standard Control Board |
| 27A06 | RDS Control Board for Communicating Equipment |
| 26Z70 | Expansion Valve (TXV) for 1-1/2 to 3 Tons |
| 26Z71 | Expansion Valve (TXV) for 3-1/2 to 4 Tons |
| 26Z72 | Expansion Valve (TXV) for 5 Tons |

* Depends On Matching Coil - Call For More Info!

DUCANE CONDENSING UNIT WARRANTY:

- 5 Year Compressor & Parts (unregistered with the factory)
- 10 Year Compressor & Parts (registered and installed with AHRI matched A-Coil)

Ducane 7HP14F Features and Benefits:

- High-efficiency single-stage scroll compressor
- Omniguard® aluminum alloy coil with enhanced corrosion resistance
- Used with RDS refrigerant detection system designed to prevent operation when refrigerant leaks are detected
- Defrost control with time/temperature settings and diagnostic LEDs
- Four-way reversing valve for quick cooling/heating transition
- Direct drive PSC fan with totally enclosed motor
- Factory charged with **R-454B** for 15 feet of lineset



Unit Dimensions & Sound Ratings

| Model # | Wide | Deep | High | Sound dB(A) | Wt (Lbs) | MCA | Max Breaker |
|-----------|---------|---------|---------|-------------|----------|------|-------------|
| 7HP14F18P | 28-1/4" | 28-1/4" | 43-1/4" | 74 | 213 | 9.7 | 15 |
| 7HP14F24P | 28-1/4" | 28-1/4" | 43-1/4" | 74 | 213 | 13.6 | 20 |
| 7HP14F30P | 28-1/4" | 28-1/4" | 33-1/4" | 74 | 213 | 16.6 | 25 |
| 7HP14F36P | 32-1/4" | 32-1/4" | 33-1/4" | 75 | 229 | 22.2 | 35 |
| 7HP14F42P | 32-1/4" | 32-1/4" | 37-1/4" | 78 | 272 | 22.3 | 35 |
| 7HP14F48P | 32-1/4" | 32-1/4" | 37-1/4" | 79 | 273 | 30.6 | 50 |
| 7HP14F60P | 32-1/4" | 32-1/4" | 43-1/4" | 79 | 295 | 32.2 | 50 |



Lynx 18 SEER Inverter Heat Pumps



GET IT BEFORE IT'S GONE!

| Model # | RHI Stocks | Tons | SEER2 | EER2 | HSPF2 | Line Size | Refrigerant |
|--------------|---|-------|-------|------|-------|---|-------------|
| 4HP18V36P-50 | ✓ (While Supplies Last) | 2 - 3 | 19.0 | 11.7 | 8.1 | 3/8" X 3/4" | R-410A |
| 4HP18V60P-50 | ✓ (While Supplies Last) | 4 - 5 | 16.0 | 10.0 | 7.8 | 3/8" X 7/8" (5 tons requires 1-1/8") | |
| Accessories | | | | | | | |
| H4TXV01 | Expansion Valve (TXV) for 2 Ton Mode | | | | | | |
| H4TXV02 | Expansion Valve (TXV) for 3 or 4 Ton Mode | | | | | | |
| H4TXV03 | Expansion Valve (TXV) for 5 Ton | | | | | | |

DUCANE CONDENSING UNIT WARRANTY:

- 5 Year Compressor & Parts (unregistered with the factory)
- 10 Year Compressor & Parts (registered and installed with AHRI matched A-Coil)

Ducane Lynx Features and Benefits:

- Inverter-driven compressor for true variable capacity operation
- Designed to perform in temperatures from -15°F to 125°F
- Compressor is grommet mounted with a sound blanket for quiet operation
- Corner mounted service valves for easy hook-up and service
- Factory installed filter drier
- Quiet-Shift capable to reduce noise during defrost
- Factory charged with R-410A for 15 feet of lineset

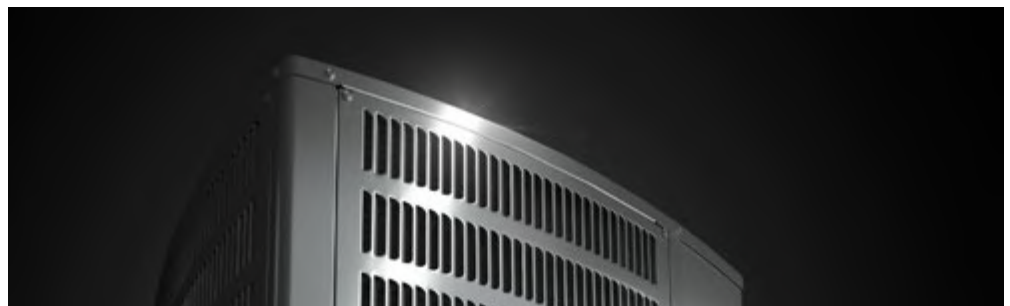


Unit Dimensions & Sound Ratings



4HP18V36P-50

| Model # | Wide | Deep | High | Sound dB(A) | Wt (lbs) | MCA | Max Breaker |
|--------------|-------|--------|------|-------------|----------|------|-------------|
| 4HP18V36P-50 | 29.5" | 31.25" | 34" | 74 | 215 | 21.9 | 35 |
| 4HP18V60P-50 | 29.5" | 31.25" | 44" | 79 | 272 | 33.7 | 50 |



Immediate Relief. Reliable Comfort.

Rethink your replacement business.

The Ducane LYNX™ 18 Inverter Heat Pump is a smart replacement solution designed to slash installation time, streamline your inventory and deliver immediate relief.

Driven by our proprietary QuickLink™ Technology, it adapts to almost any existing indoor system—the widest compatibility in its class.

By pairing incredibly quiet, energy-efficient operation with fast, hassle-free installation and fewer SKUs to manage, the LYNX 18 is the next evolution in our promise to help you make the right choice for your customers, right now.

QUICKLINK™ INVERTER TECHNOLOGY

Uses intelligent algorithms to deliver a performance fit and fine-tuned temperature control with a wide range of existing indoor equipment

CLEAN SWEEP DEFROST

Our on-demand defrost cycle clears frost from the bottom up, ensuring coils are thoroughly cleared and reducing cycles overall

QUIET SHIFT™ TECHNOLOGY

Equalizes system pressures going in and out of defrost cycles, dramatically reducing excess noise

OMNIGUARD® TOTAL CORROSION PROTECTION TECHNOLOGY

Protects the coil against corrosive elements, extending the life of the unit for years to come

- ✓ **High-efficiency ratings up to 18 SEER with matches that go beyond**
- ✓ **Incredibly quiet operation with minimum levels of 60 dBA and the lowest sound in its class at full capacity²**
- ✓ **Universal compatibility and true variable speed with most standard 24V heat pump thermostats**
- ✓ **Five total operating modes to dial in the perfect balance of comfort and enhanced efficiency**



SUPERHEAT

Using Superheat measurements to charge a fixed-orifice system is recommended by manufacturers and is an extremely accurate way to charge these systems. First, the indoor wet-bulb temperature must be measured to determine the amount of heat in the structure.

Second, the outdoor air temperature is determined and the two temperatures are matched on a charging graph or chart. The number at the intersection will be the required superheat for this unit under the present indoor and outdoor conditions.

Since superheat is heat added to a vapor, simply convert the low-side pressure to temperature and subtract it from the measured suction line temperature at the condensing unit or compressor.

If the superheat number is higher than required, slowly add refrigerant to lower the superheat. If the superheat is lower than required, remove refrigerant to raise the superheat. There is usually a margin of error (3 - 5 Deg F) that is acceptable.

Generic charging charts and graphs are available for the technician, simplifying this method and speeding the charging process. Remember, with a fixed orifice (piston, cap tube), superheat is the best way to charge.

SUBCOOLING

With higher efficiency systems, thermostatic expansion valve (TXVs) are being used to boost those efficiency numbers and make the systems more economical and effective. With a TXV system, proper charging requires system subcooling to be known and adjusted.

Subcooling is removed heat from a liquid below its saturation (or condensing) temperature. To measure subcooling, convert head pressure to temperature, and from that, subtract the measured liquid line temperature at the exit point of the condenser. The difference of the two is operating subcooling.

Most manufacturers today require 10-15 degrees subcooling with a 3 degree margin of error. If subcooling is too high, remove refrigerant. If subcooling is too low, add refrigerant. As stated before, generic charts are available to simplify the process.

With R-410A, manufacturers are providing charts and graphs with the equipment and urging installers and technicians to use them to charge the equipment. Most R-410A equipment utilizes TXVs and, therefore, the subcooling method is the best way to charge.

Guidelines For Linesets (50' or Less)*

| Model # | 13 SEER | | 17 SEER | |
|--|---------------------------|-------------------|-------------|--------------|
| | Liquid Line | Suction Line | Liquid Line | Suction Line |
| 18 | 3/8" or 1/4" ¹ | 5/8" ² | 3/8" | 3/4" |
| 24 | 3/8" or 1/4" ¹ | 5/8" ² | 3/8" | 3/4" |
| 30 | 3/8" | 3/4" | 3/8" | 3/4" |
| 36 | 3/8" | 3/4" ³ | 3/8" | 7/8" |
| 41 | — | — | 3/8" | 7/8" |
| 42 | 3/8" | 3/4" ³ | 3/8" | 7/8" |
| 47 | — | — | 3/8" | 7/8" |
| 48 | 3/8" | 7/8" | 3/8" | 7/8" |
| 60 | 3/8" | 7/8" ⁴ | 3/8" | 1 1/8" |
| ¹ For Lines 25 ft or over, use 3/8" | | | | |
| ² For Lines 25 ft or over, use 3/4" | | | | |
| ³ For Lines 25 ft or over, use 7/8" | | | | |
| ⁴ For Lines 25 ft or over, use 1 1/8" | | | | |

Armstrong and Ducane Condensing Units come charged for 15' of lineset.

Adjust the charge per the installation instructions for each additional foot of lineset installed.

***Installs over 50' please contact us.**

The correct piston is shipped with the outdoor unit and is listed on the Spec Sheet. Do not use the piston that comes with the Coil.

Refrigerant Circuit Diagnosis

| Suction Pressure | Discharge Pressure | Superheat | SubCooling | Condition / Solutions |
|------------------|--------------------|-----------------------------|-----------------------------|---|
| ↓ | ↓ | ↓ | ↓ | Insufficient air flow across Evaporator coil. Check Filter, blower speed, blower Motor, wheel and capacitor. |
| ↓ | ↓ | ↑ | ↓ | Insufficient refrigerant charge. Check for leaks, repair leaks, pull vacuum to 500 Microns, re-charge system. |
| ↓ | ↓ | ↑ | ↑ | Restriction in refrigerant circuit. Look for significant temp difference at restriction, incorrect orifice or TXV stuck closed. |
| ↑ | ↑ | ↑ | ↑ | Excessive loading of Evaporator coil. Due to open return duct in unconditioned space. Check blower speed-too high. |
| ↑ | ↑ | ↓ | ↓ | Insufficient air flow across Condenser coil. Check cleanliness of coil. Check condenser fan motor, blade, capacitor. |
| ↑ | ↑ | ↓ | ↓ | Excessive refrigerant charge. Recover refrigerant / re-charge - or adjust charge using Superheat or Subcooling method. |
| ↑ | ↑ | ↓ | Either Hi or Lo than Normal | Air and/or Non-condensibles in system. Recover refrigerant from system - evacuate to 500 Microns and re-charge. |
| ↑ | ↓ | ↓ | ↓ | Incorrect / overfeeding metering device. Check for proper pin size or loose TXV sensing bulb, or TXV stuck open. |
| ↑ | ↓ | Either Hi or Lo than Normal | Either Hi or Lo than Normal | Defective valves in compressor (runs but doesn't pump) low Amp draw & high compressor temp may be indicated. |

LYNX¹⁸

INVERTER HEAT PUMP

Added Agility on Every Job

Rethink your next replacement with the LYNXTM 18 inverter heat pump - the smart solution designed to adapt to nearly any replacement application for an instant fix. With proprietary QuickLinkTM Inverter Technology, you'll get unmatched system compatibility and full 2-5 ton coverage with only two units, helping simplify your quotes and deliver immediate, high-end comfort to your customers.



Smart Design For Your Bottom Line

QUICKLINKTM INVERTER TECHNOLOGY

Adapts for quick installation with hundreds of existing systems¹

UNMATCHED COMPATIBILITY

More than 6X AHRI system matches than like models

HIGH EFFICIENCY

Up-to 18 SEER ratings with matches that go beyond



True variable speed with 24v thermostats



High-end technology at an accessible price helps drive upsell opportunity



Fast, hassle-free installation with adaptive technology and easy access connections

¹It is the responsibility of the installing contractor to validate the compatibility of the existing equipment

Uncased Coils

GET IT BEFORE IT'S GONE!

Ducane
AIR CONDITIONING
AND HEATING

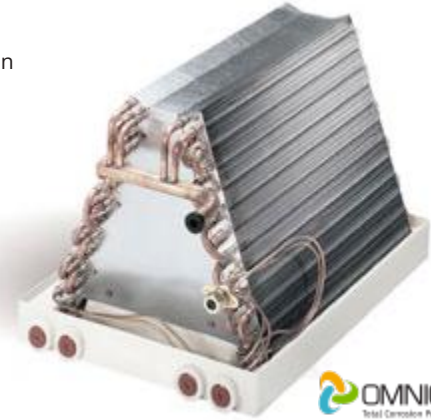
Features

- **Dedicated upflow**
- Microban antimicrobial additive in drain pan to resist mold growth

Features

- One of the lowest water retention drain pans in the industry
- Orifice assembly designed for easy piston change or TXV connections

| Model # | RHI Stocks | Tons |
|----------|-------------------------|------|
| EAU1P24B | ✓ (While Supplies Last) | 2 |
| EAU1P30B | ✓ (While Supplies Last) | 2.5 |
| EAU1P36B | ✓ (While Supplies Last) | 3 |
| EAU1P60C | ✓ (While Supplies Last) | 5 |
| EAU1P60D | ✓ (While Supplies Last) | 5 |



OMNIGUARD™
Total Corrosion Protection Technology

DUCANE COIL WARRANTY:

- 5 Year (unregistered with the factory)
- 10 Year (registered and installed with AHRI matched Condensing Unit)

These coils have a heavy duty drain pan that is UV light resistant and can handle plenum temperature up to 500 degrees!

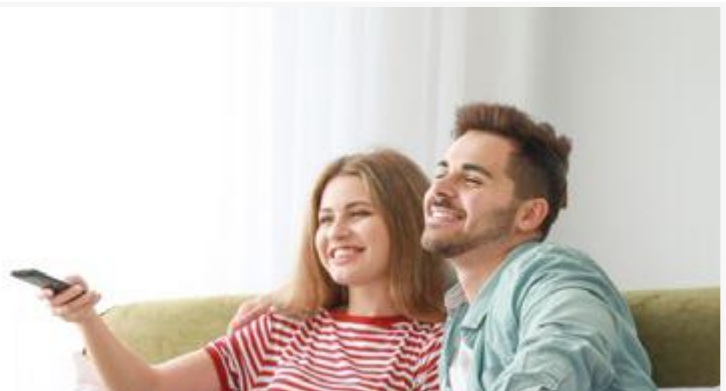
Minimum distance from a gas heat exchanger is 2", minimum is 4" from oil.

Unit Dimensions

| Model | Wide | Deep | Tall | Liquid | Vapor | Orifice |
|-------------|---------|---------|---------|--------|-------|---------|
| EAU1P24B | 15-1/2" | 19-1/2" | 16-3/8" | 3/8" | 3/4" | .057" |
| EAU1P30B | | | 20-3/4" | | | .067" |
| EAU1P30/36C | 20" | | 22-1/4" | | | .057" |
| EAU1P36B | 15-1/2" | 21-1/2" | 22-3/8" | 3/8" | 7/8" | .070" |
| EAU1P48C | 20" | | 26-1/4" | | | .071" |
| EAU1P60C | 19-1/2" | 23" | 30-5/8" | | | .077" |
| EAU1P60D | | | 28" | | | .077" |

Ducane™
AIR CONDITIONING
AND HEATING

The Right Choice. Right Now.



Cased Coils

GET IT BEFORE IT'S GONE!

Ducane
AIR CONDITIONING
AND HEATING

Features

- **Dedicated upflow**
- Microban antimicrobial additive in drain pan to resist mold growth

Features

- Insulated steel case
- External distributor for quick piston change or TXV connections

| Model # | RHI Stocks | Tons | R-410A TXV |
|-------------|------------|---------|------------|
| EAC1P24B | ✓ | 2 | — |
| EAC1P30/36C | ✓ | 2.5 - 3 | — |
| EAC1P36B | ✓ | 3 | — |
| EAC1P48B | ✓ | 4 | — |
| EAC1P48C | ✓ | 4 | — |
| EAC1P60C | ✓ | 5 | — |
| EAC1P60D | ✓ | 5 | — |
| EAC4X36B | ✓ | 3 | ✓ |
| 7EC24BX | ✓ | 2 | ✓ |
| 7EC30/36CX | ✓ | 2.5 - 3 | ✓ |
| 7EC30BX | ✓ | 2.5 | ✓ |
| 7EC36BX | ✓ | 3 | ✓ |
| 7EC48CX | ✓ | 4 | ✓ |
| 7EC60CX | ✓ | 5 | ✓ |
| 7EC60DX | ✓ | 5 | ✓ |



OMNIGUARD
Total Corrosion Protection Technology

The cased coils we stock are painted to match the furnace cabinet!

DUCANE COIL WARRANTY:

- 5 Year (unregistered with the factory)
- 10 Year (registered and installed with AHRI matched Condensing Unit)

Unit Dimensions

| Model | Wide | Deep | Tall | Liquid | Vapor | Orifice | |
|-------------|---------|------|---------|--------|-------|---------------|------|
| EAC1P24B | 17-1/2" | 21" | 18-1/2" | 3/8" | 3/4" | .057" | |
| EAC1P30/36B | | | 22-1/2" | | | .067" | |
| EAC1P36B | | | 24-1/2" | | | .070" | |
| EAC1P48B | | | | | .071" | | |
| EAC1P48C | 21" | | 27-1/2" | 7/8" | | .077" | |
| EAC1P60C | | | | | | | |
| EAC1P60D | 24-1/2" | | 29-1/2" | | | | |
| EAC4X36B | 17-1/2" | | 24-1/2" | 3/8" | | R-410A TXV | |
| 7EC24BX | | | 18-1/2" | | | | |
| 7EC30/36CX | 21" | | 24-1/2" | | | | 3/4" |
| 7EC30BX | 17-1/2" | | 22-1/2" | | | | |
| 7EC36BX | | | 24-1/2" | | | | |
| 7EC48CX | 21" | | 27-1/2" | | 7/8" | | |
| 7EC60CX | | | | | | | |
| 7EC60DX | 24-1/2" | | 29-1/2" | | | | |

These coils have a heavy duty drain pan that is UV light resistant and can handle plenum temperature up to 500 degrees!

Minimum distance from a gas heat exchanger is 2", minimum is 4" from oil.

Multi-Position Cased Coils

Features

- EM1P upflow, counterflow, or horizontal
- EH1P horizontal only

Features

- External distributor for quick piston change or TXV connections

| Model | RHI Stocks | Tons | R-410A TXV |
|------------|------------|------|------------|
| EM1P30BG-1 | ✓ | 2.5 | — |
| EM1P36BG-1 | ✓ | 3 | — |
| EM1P36CG-1 | ✓ | 3 | — |
| EM1P48CG-1 | ✓ | 4 | — |
| EAH1P24BG | ✓ | 2 | — |
| EAH1P30BG | ✓ | 2.5 | — |
| EAH1P36BG | ✓ | 3 | — |
| EAH1P42BG | ✓ | 3.5 | — |
| EAH1P48CG | ✓ | 4 | — |
| EAH1P60DG | ✓ | 5 | — |
| 7EH60DX | ✓ | 5 | ✓ |

Ducane
AIR CONDITIONING
AND HEATING



The cased coils we stock are painted to match the furnace cabinet!

DUCANE COIL WARRANTY:

- 5 Year (unregistered with the factory)
- 10 Year (registered and installed with AHRI matched Condensing Unit)

Unit Dimensions

| Model | Wide | Deep | Tall | Liquid | Vapor | Orifice |
|------------|---------|---------|---------|--------|-------|---------|
| EM1P30BG-1 | 17-1/2" | 21-1/2" | 25-1/2" | 3/8" | 3/4" | .070" |
| EM1P36BG-1 | | | | | | .076" |
| EM1P36CG-1 | 21" | | | | | .076" |
| EM1P48BG-1 | 17-1/2" | | 7/8" | | .091" | |
| EM1P48CG-1 | 21" | | | | .091" | |
| EAH1P24BG | 17-1/2" | 26-1/2" | | .057" | | |
| EAH1P30BG | | | | .067" | | |
| EAH1P36BG | | | | .070" | | |
| EAH1P42BG | 21" | 31-1/2" | | .071" | | |
| EAH1P48CG | | 26-1/2" | | .071" | | |
| EAH1P60DG | 24-1/2" | 31-1/2" | | .076" | | |
| 7EH60DX | | | | TXV | | |

These coils have a heavy duty drain pan that is UV light resistant and can handle plenum temperature up to 500 degrees!

Minimum distance from a gas heat exchanger is 2", minimum is 4" from oil.

R-454B Uncased Coils

Features

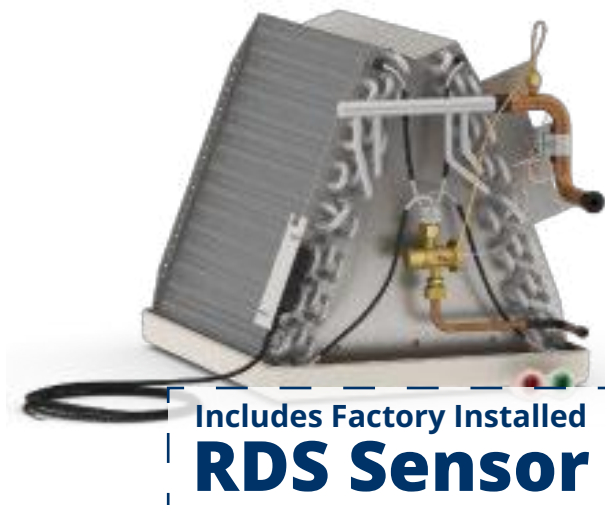
- **Dedicated upflow**
- Stubbed connections for Zoomlock

Features

- Microban antimicrobial additive in drain pan to resist mold growth



| Model # | RHI Stocks | Tons | R-454B TXV |
|---------------|--------------------------------------|---------|------------|
| 7EU24BX-71 | Coming Soon! See ADP on Page 264. | 2 | ✓ |
| 7EU30BX-71 | | 2.5 | ✓ |
| 7EU30/36CX-71 | | 2.5 - 3 | ✓ |
| 7EU36BX-71 | | 3 | ✓ |
| 7EU48CX-71 | | 4 | ✓ |
| 7EU60CX-71 | | 5 | ✓ |



DUCANE COIL WARRANTY:

- 5 Year (unregistered with the factory)
- 10 Year (registered and installed with AHRI matched Condensing Unit)

Unit Dimensions

| Model | Wide | Deep | Tall | Liquid | Vapor |
|---------------|---------|---------|---------|--------|-------|
| 7EU24BX-71 | 15-1/2" | 19-1/2" | 16-3/8" | 3/8" | 3/4" |
| 7EU30/36CX-71 | 20" | | 20" | | |
| 7EU30BX-71 | 15-1/2" | | 15-1/2" | | |
| 7EU36BX-71 | | | 15-1/2" | | |
| 7EU48CX-71 | 20" | | 20" | | 7/8" |
| 7EU60CX-71 | | | | | |

These coils have a heavy duty drain pan that is UV light resistant and can handle plenum temperature up to 500 degrees!

Minimum distance from a gas heat exchanger is 2", minimum is 4" from oil.

R-454B Cased Coils

Features

- **Dedicated upflow or horizontal**
- Stubbed connections for Zoomlock

Features

- Microban antimicrobial additive in drain pan to resist mold growth



| Model # | RHI Stocks | Tons | R-454B TXV |
|---------------|------------|---------|------------|
| 7EC24BX-71 | ✓ | 2 | ✓ |
| 7EC30/36CX-71 | ✓ | 2.5 - 3 | ✓ |
| 7EC30BX-71 | ✓ | 2.5 | ✓ |
| 7EC36BX-71 | ✓ | 3 | ✓ |
| 7EC48CX-71 | ✓ | 4 | ✓ |
| 7EC49CX-71 | ✓ | 4 | ✓ |
| 7EC60CX-71 | ✓ | 5 | ✓ |
| 7EC60DX-71 | ✓ | 5 | ✓ |
| 7EH60DX-71 | ✓ | 5 | ✓ |

7EC are Upflow Coils - 7EH are Horizontal Coils



**Includes Factory Installed
RDS Sensor**

DUCANE COIL WARRANTY:

- 5 Year (unregistered with the factory)
- 10 Year (registered and installed with AHRI matched Condensing Unit)

Unit Dimensions

| Model | Wide | Deep | Tall | Liquid | Vapor | |
|---------------|---------|------|---------|--------|-------|--|
| 7EC24BX-71 | 17-1/2" | 21" | 18-1/2" | 3/8" | 3/4" | |
| 7EC30/36CX-71 | 21" | | 24-1/2" | | | |
| 7EC30BX-71 | 17-1/2" | | 22-1/2" | | | |
| 7EC36BX-71 | | | 24-1/2" | | | |
| 7EC48CX-71 | 21" | | 27-1/2" | 3/8" | 7/8" | |
| 7EC49CX-71 | | | | | | |
| 7EC60CX-71 | | | | | | |
| 7EC60DX-71 | 24-1/2" | | 29-1/2" | | | |
| 7EH60DX-71 | | | 31-1/2" | | | |

These coils have a heavy duty drain pan that is UV light resistant and can handle plenum temperature up to 500 degrees!

Minimum distance from a gas heat exchanger is 2", minimum is 4" from oil.

ADP Low Profile A-Coils

Lower Heights And Variable Widths For A Perfect Furnace Fit



Features

- Front panel with only four screw access and non-captive refrigerant lines for and easy coil access

Features

- Built-in plenum flanges with rounded corners for and safe installation

| Tons | Model # | Configuration | Piston Size | | Width | Depth | Height | System |
|--|--------------------|---------------|----------------------|--------------------|-------|-------|--------|--------|
| | | | R-410A (INCLUDED) | R-22 (OPTIONAL) | | | | |
| 1.5 | (Uses 2 Ton Model) | — | 42 | 53 | — | — | — | AC |
| 2 | HE30124A130A0004AP | Left Hand | 53 | 59 | 13" | 19.5" | 11" | |
| 2 | HE30124A155A0004AP | | 53 | 59 | 15.5" | 19.5" | 11" | |
| 2.5 | HE31130A155A0004AP | | 59 | 67 | 15.5" | 19.5" | 13" | |
| 2.5 | HE31130A170A0004AP | | 59 | 67 | 17" | 19.5" | 13" | |
| 3 | HE32136A155A0004AP | | 67 | 73 | 15.5" | 19.5" | 15" | |
| 3 | HE32136A170A0004AP | | 67 | 73 | 17" | 19.5" | 15" | |
| 3 | HE33136A200A0004AP | | 67 | 73 | 20" | 19.5" | 17" | |
| 3.5 | HA14142A200A0004AP | | 73 | 80 | 20" | 19.5" | 23" | |
| 4 | HA14148A200A0004AP | | 76 | 84 | 20" | 19.5" | 23" | |
| 5 | HA14160A200A0004AP | | 93 | 93 | 20" | 19.5" | 23" | |
| 2 | HE30124A130A0000AP | Right Hand | 53 | 59 | 13" | 19.5" | 11" | |
| 2 | HE30124A155A0000AP | | 53 | 59 | 15.5" | 19.5" | 11" | |
| 2.5 | HE31130A155A0000AP | | 59 | 67 | 15.5" | 19.5" | 13" | |
| 2.5 | HE31130A170A0000AP | | 59 | 67 | 17" | 19.5" | 13" | |
| 3 | HE32136A155A0000AP | | 67 | 73 | 15.5" | 19.5" | 15" | |
| 3 | HE32136A170A0000AP | | 67 | 73 | 17" | 19.5" | 15" | |
| 3 | HE33136A200A0000AP | | 67 | 73 | 20" | 19.5" | 17" | |
| 3.5 | HA14142A200A0000AP | | 73 | 80 | 20" | 19.5" | 23" | |
| 4 | HA14148A200A0000AP | | 76 | 84 | 20" | 19.5" | 23" | |
| 5 | HA14160A200A0000AP | | 93 | 93 | 20" | 19.5" | 23" | |
| An A-Coil With A BTU Range And A TXV - Perfect To Have On Hand For A Quick Fix | | | | | | | | |
| 1.5 - 3 | HA10936A140A0004AP | Left Hand | — | — | 14" | 19.5" | 15" | AC |

RHI Pro Tip

These are the shortest A-Coils around and rated to 450 ° F plenum temps!

Liquid Line:
3/8" - All Models

Suction Line:
3/4" - Up to 3 Tons
7/8" - 3.5 - 5 Tons



HE30124A130A0004AP

ADP FlexCoil A-Coils with TXVs



| Model # | Configuration | Piston | Width | Depth | Height | System | |
|-------------------|---------------|--------------------------------|--------------------|-------|--------|---------|-----------------------------|
| HG9J936A155A0000N | Right Hand | Outfitted w/ TXV for R-410A | 15.5" (B Width) | 19.5" | 19" | AC / HP | Requires the 76701706 RDS!! |
| HG9J936A155A0004N | Left Hand | | 20" (C Width) | | | | |
| HG9J936A200A0000N | Right Hand | | | | | | |
| HG9J936A200A0004N | Left Hand | | | | | | |
| HG33A36A155A0000N | Right Hand | Outfitted w/ TXV for R-454B | 15.5" (B Width) | | 17" | | |
| HG33A36A155A0004N | Left Hand | | | | 23" | | |
| HG36A36A155A0000N | Right Hand | | | | 19" | | |
| HG36A36A155A0004N | Left Hand | | | | 23" | | |
| HG9JA36A155A0000N | Right Hand | | 20" (C Width) | | 19" | | |
| HG9JA36A155A0004N | Left Hand | | | | 23" | | |
| HG36A36A200A0000N | Right Hand | | | | 19" | | |
| HG36A36A200A0004N | Left Hand | | | | 29" | | |
| HG9JA36A200A0000N | Right Hand | | | | | | |
| HG9JA36A200A0004N | Left Hand | | | | | | |
| HG51A60A200A0000N | Right Hand | | | | | | |
| HG51A60A200A0004N | Left Hand | | | | | | |

These coils are AHRI matches for rebates on Armstrong Air, Air Ease, or Ducane units, and are eligible for the 10-year extended warranty when used with these units. See below to find the matching AC for each R-454B Coil.

WHAT IS FLEXCOIL?

FlexCoil is exactly what the name implies, **one** coil offering the flexibility you need for 2025 and beyond. ADP's FlexCoil is designed to help HVAC distributors and dealers succeed during this year's refrigerant transition

WHAT MAKES FLEXCOIL THE RIGHT CHOICE?



Easy installation for Dealers

- Provides a full line of coils and air handlers certified for both refrigerant types
- Field or factory-installed Refrigerant Detection System (RDS)
- Single RDS with dual-calibrated sensor both R-32 and R-454B
- Field RDS offers one kit with everything needed to make an easy refrigerant change
- All ADP FlexCoil products come with the sensor bracket preinstalled in the approved location and have mechanical fit connections to install or change the metering device, such as a TXV



How to Install
FLEXCOIL

AHRI Certificates

ADP Uncased Coils

| Ducane | HG33A36A*** | HG9JA36*** | HG36A36A*** | HG51A60A*** |
|-----------|-------------|------------|-------------|-------------|
| 7AC13F18P | 215891652 | 215891653 | — | — |
| 7AC13F24P | 215891655 | 215891656 | — | — |
| 7AC13F30P | — | 215891658 | — | — |
| 7AC13F36P | — | 216980131 | 216019859 | — |
| 7AC13F42P | — | — | — | 215891662 |
| 7AC13F48P | — | — | — | 215891663 |
| 7AC13F60P | — | — | — | 215891664 |

ADP Mobile Home Coils

| Ducane | M36E34AL | M36E58AL |
|-----------|-----------|-----------|
| 7AC13F18P | 216435016 | — |
| 7AC13F24P | 216345017 | — |
| 7AC13F30P | 216435018 | — |
| 7AC13F36P | — | 216435012 |



Mobile Home Coils



Mobile Home Application With Sized Out Down-Turned Headers For Easy Line Brazing

Features

- Sized out down-turned headers for easy line brazing
- Low water retention drain pan design with built-in drip shields

Features

- Filter friendly top plate
- Coils charged with dry air
- Left hand design
- Designed for high static downflow

| Model # | Width | Depth | Height | TXV | RDS System |
|----------|-------|-------|--------|------------|------------|
| M36E221 | 18" | 19.5" | 15" | — | — |
| M36E241 | 18" | 19.5" | 19" | — | — |
| M36E599 | 18" | 19.5" | 19" | ✓ (R-410A) | — |
| M36E58AR | 18" | 19.5" | 17" | ✓ (R-454B) | ✓ |
| M36E34AR | 18" | 19.5" | 19" | ✓ (R-454B) | ✓ |

These coils are AHRI matches for rebates on Armstrong Air, Air Ease, or Ducane units, and are eligible for the 10-year extended warranty when used with these units.



M36E221

Horizontal Slab Coils



Dedicated Horizontal Slab Coils Great For Replacement Of Legacy Applications

Features

- Great for replacement of legacy applications
- Factory installed piston - TXV available

Features

- Dedicated horizontal slab coils
- Bi-directional airflow for installation flexibility

| Tons | Model # | Duct Opening | Width | Depth | Height |
|-----------|---------|-------------------|-------|-------|---------|
| 1-1/2 - 2 | H-40 | 17-1/4" x 22-5/8" | 10" | 27" | 18-3/4" |
| 3 - 5 | H-60 | 21-1/4" x 30-5/8" | 10" | 35" | 22-3/4" |



H-40

TXVs



Good For Heat Pump Or AC Applications - Shipped Loose

| Part # | Refrigerant | Tonnage | Part # | Refrigerant | Tonnage |
|------------|-------------|-----------|------------|-------------|-----------|
| 165616601A | R-410A | 1.5 - 3.0 | 167758801A | R-32B | 1.5 - 3.0 |
| 165616602A | | 3.5 - 5.0 | 167758802A | | 3.5 - 5.0 |
| 167757901A | R-454B | 1.5 - 3.0 | 656162-01 | R-22 | 1.5 - 3.0 |
| 167757902A | | 3.5 - 5.0 | 656162-02 | | 3.5 - 5.0 |



Accessories

| Part # | Description |
|----------|---|
| 76701706 | RDS Refrigerant Detection Kit w/ 80" Cable for FlexCoil. Includes Circuit Board, Sensor, and Mitigation Sleeves. |



76701706



How to Install

Omni Variable Speed Air Handler

Features

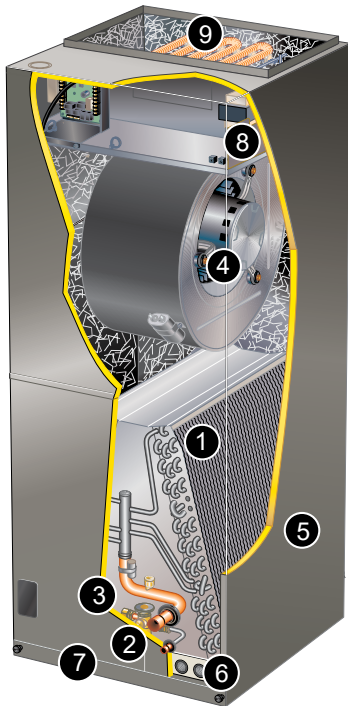
- **Upflow or Horizontal** capabilities w/ downflow conversion kit available
- Cabinet dimensions match standard furnace widths
- Painted galvanized cabinet

Features

- Omniguard® aluminum coil with enhanced corrosion resistance
- Wide-range check and TXV is factory installed
- Braze-free or press fittings for increased installation versatility



| Model # | Motor HP | Style | Airflow | Nominal Cap. | Volts | Refrigerant |
|---------------|----------|----------------|----------|--------------|---------|---------------|
| 7AH1AV36PX-71 | 1/2 | Variable - ECM | 1530 CFM | 3 Ton | 208-230 | R-454B |
| 7AH1AV48PX-71 | 1 | Variable - ECM | 2185 CFM | 4 Ton | 208-230 | |
| 7AH1AV60PX-71 | 1 | Variable - ECM | 2190 CFM | 5 Ton | 208-230 | |



1. Omniguard® Coil
2. Mechanical or Brazed Line Set Connections
3. Check and Expansion Valve
4. Variable Speed Blower Motor
5. Heavy Gauge Steel Cabinet
6. Anti-Microbial Dual Position Drain Pans
7. Built in Filter Rack
8. Transformer and Blower Relay
9. Electric Heat (optional)

ARMSTRONG AIR HANDLER WARRANTY:

- 5 Year (unregistered)
- 10 Year (registered with factory)

Unit Dimensions

| Product # | Unit Size | | | Supply Duct | | Return Duct | |
|---------------|-----------|---------|-------|-------------|---------|-------------|---------|
| | Height | Width | Depth | Length | Width | Length | Width |
| 7AH1AV36PX-71 | 53-5/8" | 21-1/2" | 22 | 14-1/2" | 19-1/2" | 20-3/8" | 19-1/2" |
| 7AH1AV48PX-71 | 55" | | | | | | |
| 7AH1AV60PX-71 | 59-3/4" | | | | | | |

Electric Heat Kit w/ Breakers

| Model # | kW | Use With | Breakers | Phase |
|---------|----|--------------------------------|-----------------|-------|
| 27A15 | 10 | 3 / 4 / 5 Ton 7AH* Air Handler | (1) 60 | 1 |
| 27A17 | 15 | 3 / 4 / 5 Ton 7AH* Air Handler | (1) 60 / (1) 25 | 1 |
| 27A18 | 20 | 4 / 5 Ton 7AH* Air Handler | (1) 60 / (1) 50 | 1 |



27A18



97% 2 Stage Variable Speed Gas Furnaces



| Model | RHI Stocks | Input BTU By Stage | | CFM | Wt (lbs) |
|--------------------|------------|------------------------------|---------|------|----------|
| | | 1st | 2nd | | |
| 97G2UH045BV12 | ✓ | 29,000 | 44,000 | 1200 | 130 |
| 97G2UH070BV12 | ✓ | 43,000 | 66,000 | 1200 | 138 |
| 97G2UH090CV20 | ✓ | 57,000 | 88,000 | 2000 | 154 |
| 97G2UH110CV20 | ✓ | 72,000 | 110,000 | 2000 | 173 |
| 97G2UH135DV20 | — | 88,000 | 132,000 | 2000 | 188 |
| Accessories | | | | | |
| 11K48 | | LP Kit for 2 Stage 95% | | | |
| CVENT-2 | | 2" Concentric Vent Kit | | | |
| CVENT-3 | | 3" Concentric Vent Kit | | | |
| HVENT-2 | | Flush Mounted Termination 2" | | | |
| HVENT-3 | | Flush Mounted Termination 3" | | | |

Ducane is going to make a running change on these models by adding an RDS circuit board. These units will have a "K" at the end of the model #.



96G2UH070BV12

Ducane 97G2V Features and Benefits:

- Aluminized steel primary heat exchanger
- Stainless steel secondary heat exchanger
- Non-welded crimped S curve for max durability
- In shot burners for smooth ignition
- Isolated burner enclosure for quiet operation
- Standard 33" height
- Efficient ECM variable speed blower motor
- Motor soft start and soft stop feature
- Slide-out blower design
- 2 stage gas valve
- Integrated ignition and fan control
- Durable Silicone Nitride hot surface ignition
- Compatible with single or two stage thermostats

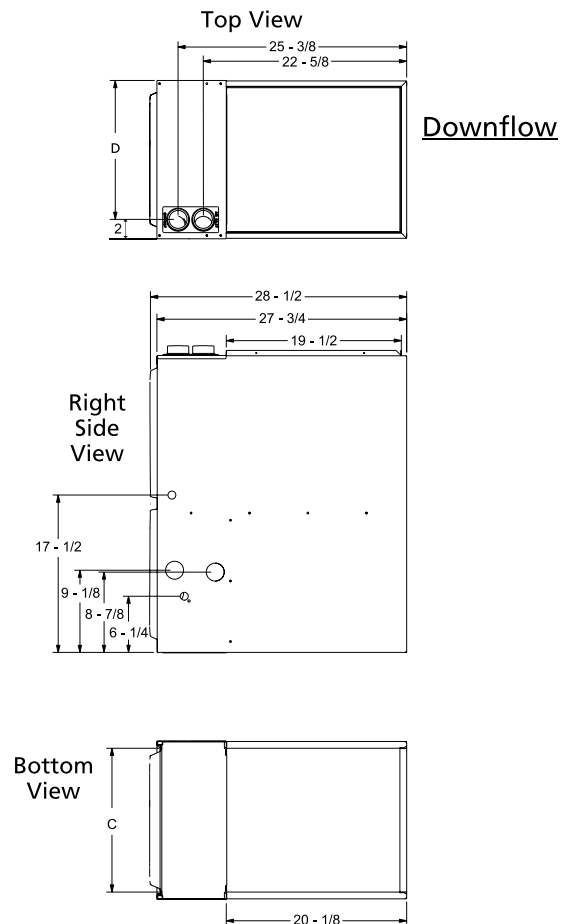
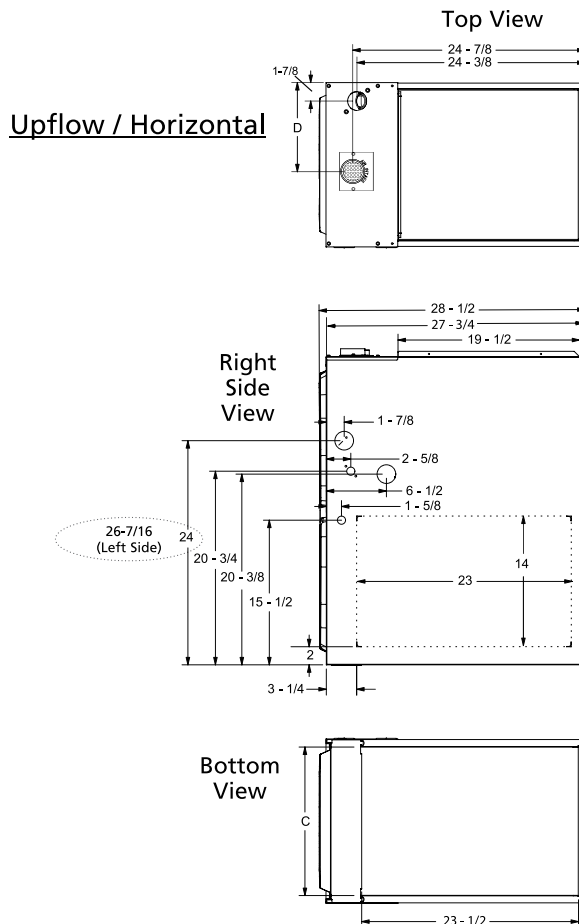
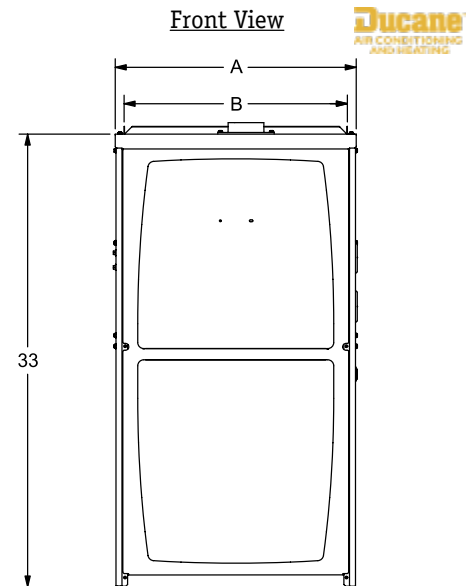


DUCANE FURNACE WARRANTY:

- 5 Year Parts / 20 Year Heat Exchanger (unregistered)
- 10 Year Parts / Limited Lifetime Heat Exchanger (registered with factory)

Unit Dimensions

| Model # | A | B | C | D |
|----------------------------|---------|---------|---------|---------|
| Upflow / Horizontal | | | | |
| 97G2UH045BV12 | 17-1/2" | 16-3/8" | 16" | 7-5/8" |
| 97G2UH070BV12 | 17-1/2" | 16-3/8" | 16" | 7-5/8" |
| 97G2UH090CV12 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| 97G2UH090CV20 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| 97G2UH110CV20 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| 97G2UH135DV20 | 24-1/2" | 23-3/8" | 23" | 11-1/8" |
| Downflow | | | | |
| 97G2DF045BV12 | 17-1/2" | 16-3/8" | 16" | 15-1/2" |
| 97G2DF070BV12 | 17-1/2" | 16-3/8" | 16" | 15-1/2" |
| 97G2DF090CV20 | 21" | 19-7/8" | 19-1/2" | 19" |
| 97G2DF110CV20 | 21" | 19-7/8" | 19-1/2" | 19" |



See Page 278 for venting information

97% 2 Stage Gas Furnaces w/ Constant Torque Motor



| Model # | RHI Stocks | Input BTU By Stage | | CFM | Wt (lbs) |
|---------------------|---|--------------------|---------|------|----------|
| | | 1ST | 2ND | | |
| Upflow / Horizontal | | | | | |
| 97G2UH030BE08 | — | 20,000 | 30,000 | 800 | 130 |
| 97G2UH045BE12 | — | 29,000 | 44,000 | 1200 | 130 |
| 97G2UH070BE12 | ✓ | 43,000 | 66,000 | 1200 | 138 |
| 97G2UH090CE16 | ✓ | 57,000 | 88,000 | 1600 | 166 |
| 97G2UH110CE20 | ✓ | 72,000 | 110,000 | 2000 | 174 |
| Downflow | | | | | |
| 97G2DF045BE12 | — | 29,000 | 44,000 | 1200 | 131 |
| 97G2DF070BE16 | — | 43,000 | 66,000 | 1600 | 138 |
| 97G2DF090CE16 | — | 57,000 | 88,000 | 1600 | 166 |
| 97G2DF110CE20 | — | 72,000 | 110,000 | 2000 | 176 |
| Accessories | | | | | |
| 11K48 | LP Kit for 2 Stage 95% | | | | |
| 16W72 | Twinning Kit for Constant Torque Gas Furnaces | | | | |
| CVENT-2 | 2" Concentric Vent Kit | | | | |
| CVENT-3 | 3" Concentric Vent Kit | | | | |
| HVENT-2 | Flush Mounted Termination 2" | | | | |
| HVENT-3 | Flush Mounted Termination 3" | | | | |

Ducane is going to make a running change on these models by adding an RDS circuit board. These units will have a "K" at the end of the model #.



96G2UH070BE12

Ducane 97G2E Features and Benefits:

- Constant Torque ECM Blower Motor
- Aluminized steel primary heat exchanger
- Stainless steel secondary heat exchanger
- Non-welded crimped S curve for max durability
- In shot burners for smooth ignition
- Isolated burner enclosure for quiet operation
- Standard 33" height
- Durable Silicone Nitride hot surface ignition



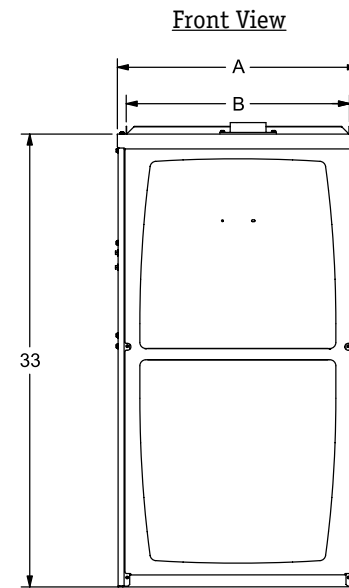
DUCANE FURNACE WARRANTY:

- 5 Year Parts / 20 Year Heat Exchanger (unregistered)
- 10 Year Parts / Limited Lifetime Heat Exchanger (registered with factory)

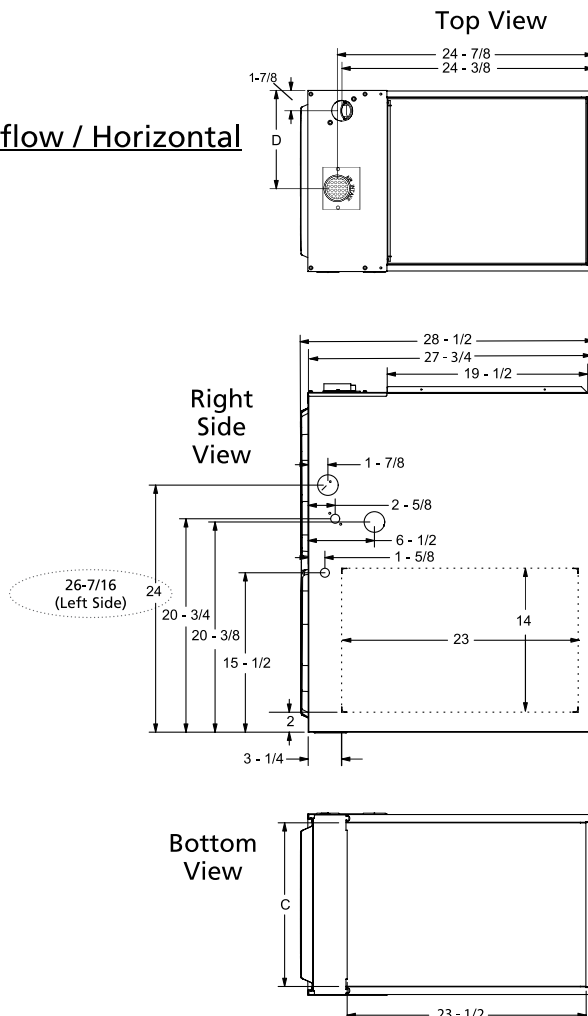
Unit Dimensions

| Model | A | B | C | D |
|----------------------------|---------|---------|---------|---------|
| Upflow / Horizontal | | | | |
| 97G2UH030BE08 | 17-1/2" | 16-3/8" | 16" | 7-5/8" |
| 97G2UH045BE12 | 17-1/2" | 16-3/8" | 16" | 7-5/8" |
| 97G2UH070BE12 | 17-1/2" | 16-3/8" | 16" | 7-5/8" |
| 97G2UH090CE16 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| 97G2UH110CE20 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| Downflow | | | | |
| 97G2DF045BE12 | 17-1/2" | 16-3/8" | 16" | 15-1/2" |
| 97G2DF070BE16 | 17-1/2" | 16-3/8" | 16" | 15-1/2" |
| 97G2DF090CE16 | 21" | 19-7/8" | 19-1/2" | 19" |
| 97G2DF110CE20 | 21" | 19-7/8" | 19-1/2" | 19" |

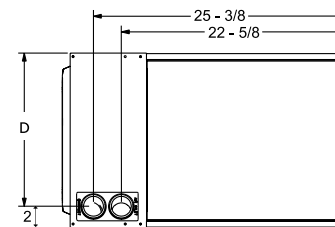
Ducane
AIR CONDITIONING
AND HEATING



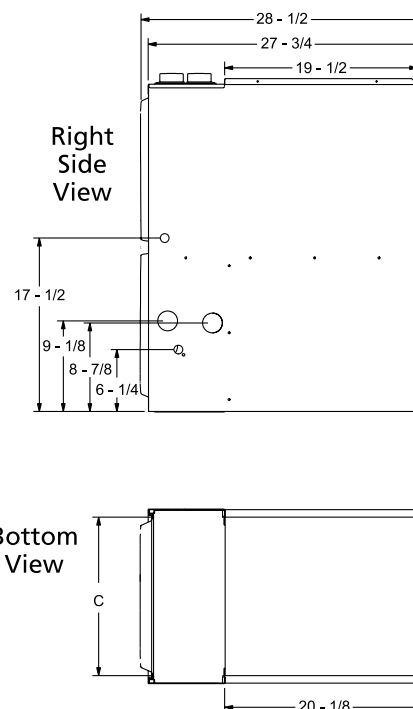
Upflow / Horizontal



Top View



Downflow



See Page 278 for venting information

96% 1 Stage Gas Furnaces w/ Constant Torque Motor



| Model # | RHI Stocks | Input BTU | CFM | Wt (lbs) |
|---------------------|---|-----------|------|----------|
| Upflow / Horizontal | | | | |
| 96G1UH030BE08 | — | 30,000 | 800 | 120 |
| 96G1UH045BE12 | ✓ | 44,000 | 1200 | 124 |
| 96G1UH070BE12 | ✓ | 66,000 | 1200 | 129 |
| 96G1UH090CE16 | ✓ | 88,000 | 1600 | 152 |
| 96G1UH110CE20 | ✓ | 110,000 | 2000 | 164 |
| 96G1UH135DE20 | ✓ | 132,000 | 2000 | 174 |
| Downflow | | | | |
| 96G1DF045BE12 | — | 44,000 | 1200 | 126 |
| 96G1DF070BE16 | ✓ | 66,000 | 1600 | 139 |
| 96G1DF090CE16 | — | 88,000 | 1600 | 154 |
| 96G1DF110CE20 | — | 110,000 | 2000 | 162 |
| Accessories | | | | |
| 11K50 | LP Kit for 1 Stage 95% | | | |
| 16W72 | Twinning Kit for Constant Torque Gas Furnaces | | | |
| CVENT-2 | 2" Concentric Vent Kit | | | |
| CVENT-3 | 3" Concentric Vent Kit | | | |
| HVENT-2 | Flush Mounted Termination 2" | | | |
| HVENT-3 | Flush Mounted Termination 3" | | | |

Ducane is going to make a running change on these models by adding an RDS circuit board. These units will have a "K" at the end of the model #.



96G1UH070BE12

Ducane 96G1E Features and Benefits:

- Constant Torque ECM Blower Motor
- Aluminized steel primary heat exchanger
- Stainless steel secondary heat exchanger
- Non-welded crimped S curve for max durability
- In shot burners for smooth ignition
- Isolated burner enclosure for quiet operation
- Standard 33" height
- Durable Silicone Nitride hot surface ignition



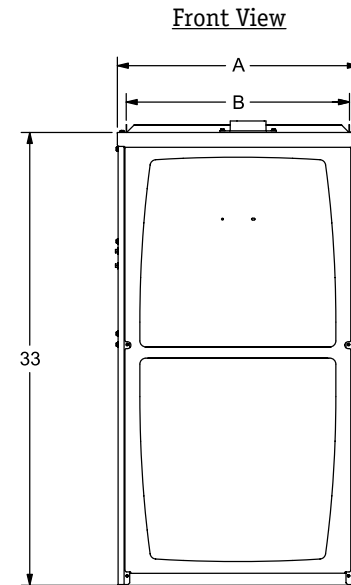
DUCANE FURNACE WARRANTY:

- 5 Year Parts / 20 Year Heat Exchanger (unregistered)
- 10 Year Parts / Limited Lifetime Heat Exchanger (registered with factory)

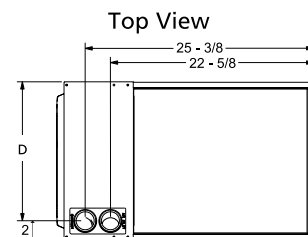
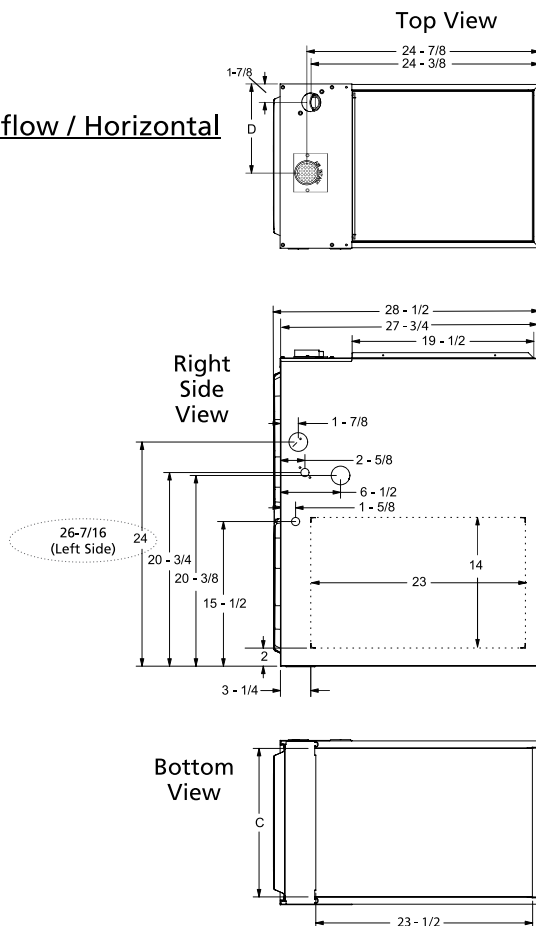
Unit Dimensions

| Model | A | B | C | D |
|----------------------------|---------|---------|---------|---------|
| Upflow / Horizontal | | | | |
| 96G1UH030BE08 | | | | |
| 96G1UH045BE12 | 17-1/2" | 16 3/8" | 16" | 7-5/8" |
| 96G1UH070BE12 | | | | |
| 96G1UH090CE16 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| 96G1UH110CE20 | | | | |
| 96G1UH135DE20 | 24-1/2" | 23-3/8" | 23" | 11-1/8" |
| Downflow | | | | |
| 96G1DF045BE12 | 17-1/2" | 16-3/8" | 16" | 15-1/2" |
| 96G1DF070BE16 | | | | |
| 96G1DF090CE16 | 21" | 19-7/8" | 19-1/2" | 19" |
| 96G1DF110CE20 | | | | |

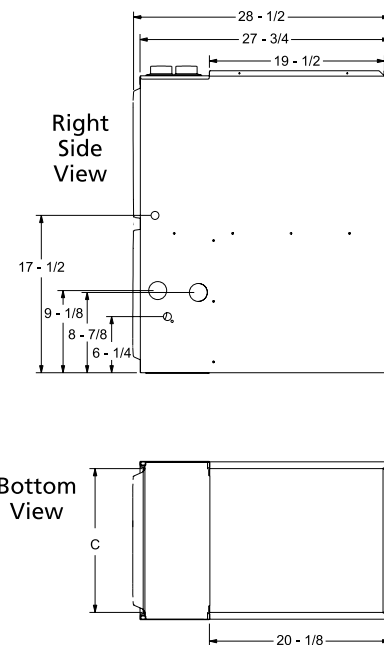
Ducane
AIR CONDITIONING
AND HEATING



Upflow / Horizontal



Downflow



See Page 278 for venting information

95% 1 Stage Gas Furnaces w/ Constant Torque Motor



GET IT BEFORE IT'S GONE!

| Model # | RHI Stocks | Input BTU | CFM | Wt (lbs) |
|---------------------|---|-----------|------|----------|
| Upflow / Horizontal | | | | |
| 95G1UH090CE16 | ✓ (While Supplies Last) | 88,000 | 1600 | 158 |
| 95G1UH110CE20 | ✓ (While Supplies Last) | 110,000 | 2000 | 170 |
| Downflow | | | | |
| 95G1DF070BE16 | ✓ (While Supplies Last) | 66,000 | 1600 | 144 |
| Accessories | | | | |
| 11K50 | LP Kit for 1 Stage 95% | | | |
| 16W72 | Twinning Kit for Constant Torque Gas Furnaces | | | |
| CVENT-2 | 2" Concentric Vent Kit | | | |
| CVENT-3 | 3" Concentric Vent Kit | | | |
| HVENT-2 | Flush Mounted Termination 2" | | | |
| HVENT-3 | Flush Mounted Termination 3" | | | |



95G1UH070BE12

Ducane 95G1E Features and Benefits:

- Constant Torque ECM Blower Motor
- Aluminized steel primary heat exchanger
- Stainless steel secondary heat exchanger
- Non-welded crimped S curve for max durability
- In shot burners for smooth ignition
- Isolated burner enclosure for quiet operation
- Standard 33" height
- Durable Silicone Nitride hot surface ignition



DUCANE FURNACE WARRANTY:

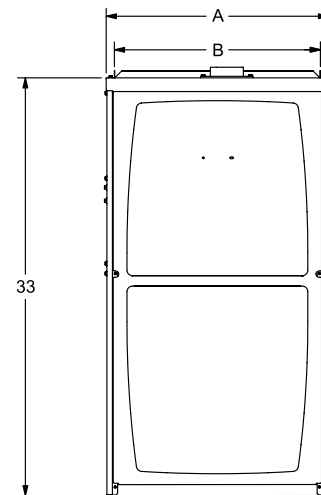
- 5 Year Parts / 20 Year Heat Exchanger (unregistered)
- 10 Year Parts / Limited Lifetime Heat Exchanger (registered with factory)

Unit Dimensions

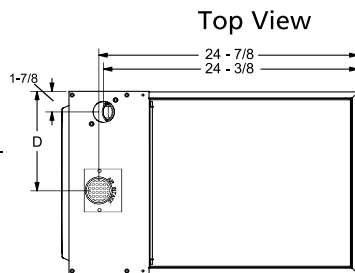
| MODEL | A | B | C | D |
|---------------------|---------|---------|---------|---------|
| UPFLOW / HORIZONTAL | | | | |
| 95G1UH090CE16 | 21" | 19-7/8" | 19-1/2" | 9-3/8" |
| 95G1UH110CE20 | | | | |
| DOWNFLOW | | | | |
| 95G1DF070BE16 | 17-1/2" | 16-3/8" | 16" | 15-1/2" |

Ducane
AIR CONDITIONING
AND HEATING

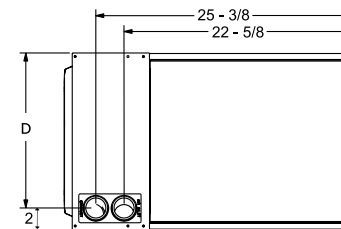
Front View



Upflow / Horizontal

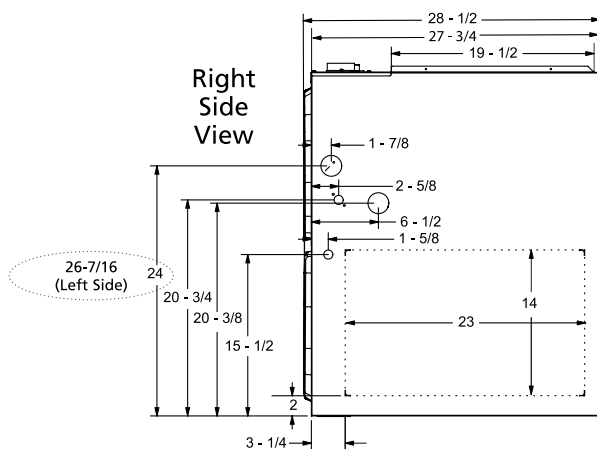


Top View

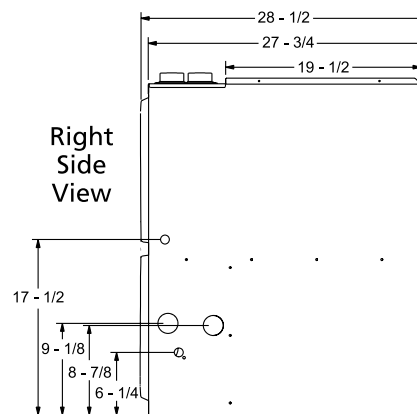


Downflow

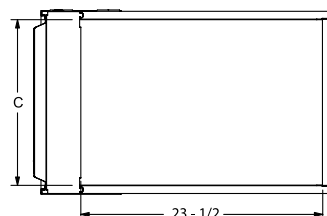
Right Side View



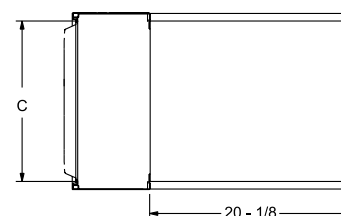
Right Side View



Bottom View



Bottom View



See Page 278 for venting information

80% 1 Stage Gas Furnace w/ Constant Torque ECM Motor



| Model # | RHI Stock | Input BTU | Output BTU | CFM | Wt (lbs) |
|---------------------|---|-----------|------------|------|----------|
| Upflow / Horizontal | | | | | |
| 80G1UH045AE12 | ✓ | 44,000 | 35,200 | 1200 | 111 |
| 80G1UH070AE12 | ✓ | 66,000 | 52,800 | 1200 | 111 |
| 80G1UH070BE12 | ✓ | 66,000 | 52,800 | 1200 | 127 |
| 80G1UH090BE16 | ✓ | 88,000 | 70,400 | 1600 | 142 |
| 80G1UH090CE20 | ✓ | 88,000 | 70,400 | 2000 | 152 |
| 80G1UH110CE20 | ✓ | 110,000 | 88,000 | 2000 | 160 |
| 80G1UH135CE20 | — | 132,000 | 105,600 | 2000 | 178 |
| Downflow | | | | | |
| 80G1DF045AE12 | — | 44,000 | 35,200 | 1200 | 113 |
| 80G1DF070AE12 | ✓ | 66,000 | 52,800 | 1200 | 113 |
| 80G1DF070BE12 | — | 66,000 | 52,800 | 1600 | 128 |
| 80G1DF090BE16 | — | 88,000 | 70,400 | 1600 | 140 |
| 80G1DF110CE20 | — | 110,000 | 88,000 | 2000 | 160 |
| Accessories | | | | | |
| 11K50 | LP Kit for 1 Stage 80% | | | | |
| 16W72 | Twinning Kit for Constant Torque Gas Furnaces | | | | |
| CVENT-2 | 2" Concentric Vent Kit | | | | |
| CVENT-3 | 3" Concentric Vent Kit | | | | |
| HVENT-2 | Flush Mounted Termination 2" | | | | |
| HVENT-3 | Flush Mounted Termination 3" | | | | |

Ducane is going to make a running change on these models by adding an RDS circuit board. These units will have a "K" at the end of the model #.



80G1UH090BE16

Ducane 80G1E Features and Benefits:

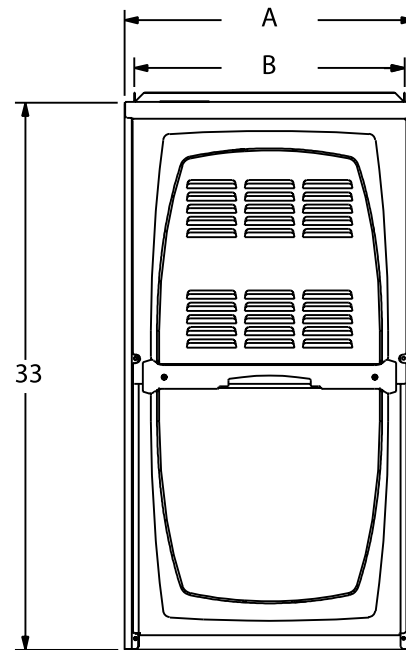
- Constant Torque Blower Motor
- Aluminized steel heat exchanger
- Non-welded crimped S curve for max durability
- Removable floor base for bottom return air
- Standard 33" height
- Slide-out blower design
- Rotatable draft inducer for venting flexibility

DUCANE FURNACE WARRANTY:

- 5 Year Parts / 20 Year Heat Exchanger (unregistered)
- 10 Year Parts / Limited Lifetime Heat Exchanger (registered with factory)

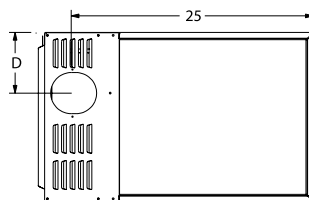
Unit Dimensions

| Model | A | B | C | D |
|----------------------------|---------|---------|---------|--------|
| Upflow / Horizontal | | | | |
| 80G1UH045AE12 | 14-1/2" | 13-3/8" | 13" | 4-3/4" |
| 80G1UH070AE12 | | | | |
| 80G1UH070BE12 | 17-1/2" | 16-3/8" | 16" | 6-1/4" |
| 80G1UH090BE16 | | | | |
| 80G1UH090CE20 | | | | |
| 80G1UH110CE20 | 21" | 19-3/8" | 19-1/2" | 8" |
| 80G1UH135DE20 | 24-1/2" | 23-3/8" | 23" | 9-3/4" |
| Downflow | | | | |
| 80G1DF045AE12 | 14-1/2" | 13-3/8" | 13" | 4-3/4" |
| 80G1DF070BA12 | | | | |
| 80G1DF070BE12 | 17-1/2" | 16-3/8" | 16" | 6-1/4" |
| 80G1DF090BE16 | | | | |
| 80G1DF110CE20 | 21" | 19-7/8" | 19-1/2" | 8" |

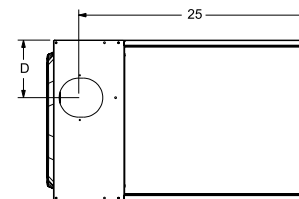


Top View

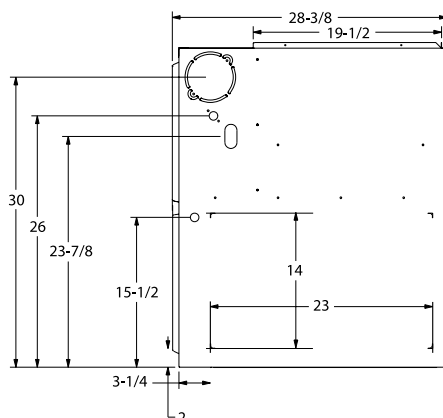
Upflow / Horizontal



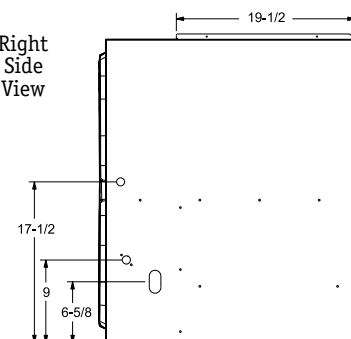
Downflow



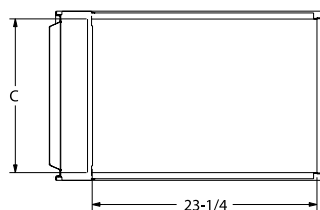
Right Side View



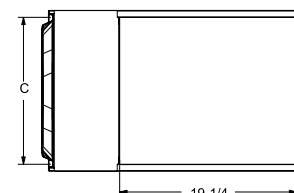
Right Side View



Bottom View



Bottom View



Concentric Venting & Termination Kits

| Part # | Description |
|---------|--|
| 71M80 | 1 1/2" Concentric Vent Kit |
| CVENT-2 | 2" Concentric Vent Kit |
| CVENT-3 | 3" Concentric Vent Kit |
| 51W11 | 2" & 3" Flush Termination Kit, for ALL 90 + Furnaces |
| HVENT-2 | 2" Concentric Flush Low Profile Termination Kit |
| HVENT-3 | 3" Concentric Flush Low Profile Termination Kit |

Concentric Vents



71M80
CVENT-2
CVENT-3

Flush Mount Kit



51W11
HVENT-2
HVENT-3

RHI Advantage

**RHI Now Stocks 2",
3", and 4" PVC
Pipe!**



Return Air Bases

ALLIED

| Part # | For Use With | Width |
|--------|---------------------------------|-----------------|
| 68W62 | For use with Ducane Furnaces | B Width (17.5") |
| 68W63 | | C Width (21") |
| 68W64 | | D Width (24.5") |



68W64

Diamond Vent Screens

Supreme Stands

| Part # | Description | Size |
|--------|------------------------|------|
| DVS2 | Diamond Vent Screen | 2" |
| DVS3 | | 3" |
| DVS4 | | 4" |



Always install as diamonds - NOT SQUARES.
This will prevent ice from building up.

**Tired of cleaning out birds and squirrels from
inducers? For less than \$10 you can pop in a
Diamond Vent Screen and all of your issues go
away.**

Standard Termination Venting Table

Minimum Vent length:
15 Feet
or
5 Feet & 2 90s

Concentric Termination Venting Table

Outdoor Termination Kit Usage

| Maximum Allowable Intake or Exhaust Vent Length in Feet | | | | | | | | | | | | | | | |
|---|----------|-----|-----|-----|-----|-------------|-----|-----|-----|-----|----------|-----|-----|-----|-----|
| Standard Termination at Elevation 0 - 4,500 ft | | | | | | | | | | | | | | | |
| Number of 90° Elbows Used | 2" Pipe | | | | | 2-1/2" Pipe | | | | | 3" Pipe | | | | |
| | Capacity | | | | | Capacity | | | | | Capacity | | | | |
| | 030 045 | 070 | 090 | 110 | 135 | 030 045 | 070 | 090 | 110 | 135 | 030 045 | 070 | 090 | 110 | 135 |
| 1 | 76 | 61 | 39 | 19 | n/a | 110 | 95 | 63 | 38 | n/a | 132 | 132 | 113 | 113 | 109 |
| 2 | 71 | 56 | 34 | 14 | | 105 | 90 | 58 | 33 | | 127 | 127 | 108 | 108 | 104 |
| 3 | 66 | 51 | 29 | 9 | | 100 | 85 | 53 | 28 | | 122 | 122 | 103 | 103 | 99 |
| 4 | 61 | 46 | 24 | n/a | | 95 | 80 | 48 | 23 | | 117 | 117 | 98 | 98 | 94 |
| 5 | 56 | 41 | 19 | | | 90 | 75 | 43 | 18 | | 112 | 112 | 93 | 93 | 89 |
| 6 | 51 | 36 | 14 | | | 85 | 70 | 38 | 13 | | 107 | 107 | 88 | 88 | 84 |
| 7 | 46 | 31 | 9 | | | 80 | 65 | 33 | 8 | | 102 | 102 | 83 | 83 | 79 |
| 8 | 41 | 26 | n/a | | | 75 | 60 | 28 | n/a | | 97 | 97 | 78 | 78 | 74 |
| 9 | 36 | 21 | | | | 70 | 55 | 23 | | | 92 | 92 | 73 | 73 | 69 |
| 10 | 31 | 16 | | | | 65 | 50 | 18 | | | 87 | 87 | 68 | 68 | 64 |

| Maximum Allowable Intake or Exhaust Vent Length in Feet | | | | | | | | | | | | | | | |
|---|----------|-----|-----|-----|-----|-------------|-----|-----|-----|-----|----------|-----|-----|-----|-----|
| Concentric Termination at Elevation 0 - 4,500 ft | | | | | | | | | | | | | | | |
| Number of 90° Elbows Used | 2" Pipe | | | | | 2-1/2" Pipe | | | | | 3" Pipe | | | | |
| | Capacity | | | | | Capacity | | | | | Capacity | | | | |
| | 030 045 | 070 | 090 | 110 | 135 | 030 045 | 070 | 090 | 110 | 135 | 030 045 | 070 | 090 | 110 | 135 |
| 1 | 68 | 53 | 37 | 17 | n/a | 100 | 85 | 59 | 34 | n/a | 116 | 116 | 109 | 109 | 100 |
| 2 | 63 | 48 | 32 | 12 | | 95 | 80 | 54 | 29 | | 111 | 111 | 104 | 104 | 95 |
| 3 | 58 | 43 | 27 | 7 | | 90 | 75 | 49 | 24 | | 106 | 106 | 99 | 99 | 90 |
| 4 | 53 | 38 | 22 | n/a | | 85 | 70 | 44 | 19 | | 101 | 101 | 94 | 94 | 85 |
| 5 | 48 | 33 | 17 | | | 80 | 65 | 39 | 14 | | 96 | 96 | 89 | 89 | 80 |
| 6 | 43 | 28 | 12 | | | 75 | 60 | 34 | n/a | | 91 | 91 | 84 | 84 | 75 |
| 7 | 38 | 23 | 7 | | | 70 | 55 | 29 | | | 86 | 86 | 79 | 79 | 70 |
| 8 | 33 | 18 | n/a | | | 65 | 50 | 24 | | | 81 | 81 | 74 | 74 | 65 |
| 9 | 28 | 13 | | | | 60 | 45 | 19 | | | 76 | 76 | 69 | 69 | 60 |
| 10 | 23 | 8 | | | | 55 | 40 | 14 | | | 71 | 71 | 64 | 64 | 55 |

| Capacity | VENT PIPE DIA. (in.) | STANDARD | | | CONCENTRIC | | |
|----------|----------------------|---|---|-----------------|-----------------------|-------------------|-------------------|
| | | Outdoor Exhaust Accelerator (Dia. X Length) | Outdoor Exhaust Accelerator (Dia. X Length) | Flush Mount Kit | 1-1/2" Concentric Kit | 2" Concentric Kit | 3" Concentric Kit |
| | | 1-1/2" x12" | 2" x12" | 51W11** | 71M80 OR +44W92++ | 69M29 OR +44W92++ | 60L46 OR 44W93+ |
| 030 045 | 2 | YES | | YES | YES | | |
| | 2-1/2" | YES | | YES | YES | | |
| | 3 | YES | | YES | YES | | |
| 070 | 2 | YES | | YES | YES | | |
| | 2-1/2" | YES | | YES | YES | | |
| | 3 | YES | | YES | YES | | |
| 090 | 2 | | YES | YES | | YES | YES |
| | 2-1/2" | | YES | YES | | YES | YES |
| | 3 | | YES | YES | | YES | YES |
| 110 | 2 | | YES | YES | | YES | YES |
| | 2-1/2" | | YES | YES | | YES | YES |
| | 3 | | YES | YES | | YES | YES |
| 135 | 3 | | YES | YES | | | YES |

* Requires field provided end installed 1-1/2" exhaust accelerator.

** Kit 51W11 is provided with a 1-1/2" accelerator which must be used for all 45,000 and 70,000 furnace installations.

+Termination kits 44W92, 44W93, 30G28 & 81J20 approved for use in Canadian installations to meet CSAB149.

++The 44W92 Concentric kit is provided with a 1-1/2" accelerator which must be installed on the exhaust outlet when this kit is used with the 45,000 and 70,000 furnaces.

Oil Furnaces - Upflow



| Model | RHI Stocks | Nozzle Size | Output BTU | AFUE |
|-------------------------------|------------|-------------|------------|------|
| Variable Speed, 85% Efficient | | | | |
| L85UF1V67/87E14 | ✓ | .50GPH 60A | 67,000 | 85 |
| | | .65GPH 60A | 87,000 | |
| L85UF1V104/118F20 | ✓ | .75GPH 60A | 104,000 | |
| | | .85GPH 60A | 118,000 | |
| L83UF1D57/72E12-1* | ✓ | .50GPH 80A | 57,000 | 83 |
| | | .65GPH 80B | 72,000 | |
| L83UF1D84/95E16-1* | ✓ | .65GPH 80B | 84,000 | |
| | | .75GPH 80B | 95,000 | |

*These are constant torque models



L83UF1D84/95E16-1

Armstrong Oil (Upflow and Lowboy) Features and Benefits:

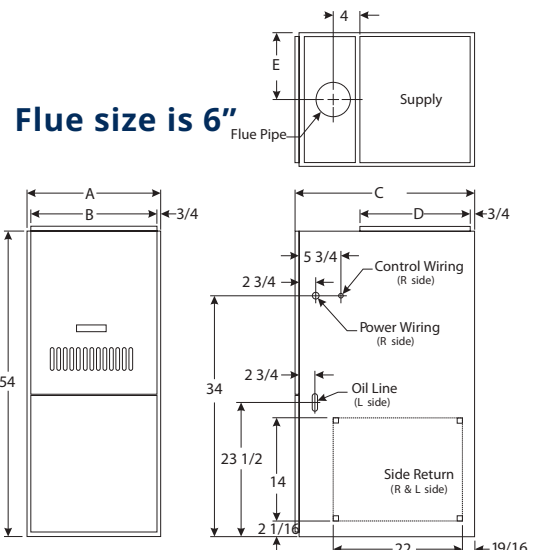
- Beckett Flame Retention NX burner
- Includes barometric dampers
- Genesis advanced burner control
- Standard Warranty:

- 10 Year parts when registered
- Limited Lifetime Heat Exchanger when registered

Made with
Beckett
Components

Unit Dimensions

| Model | A | B | C | D | E |
|-------------------|---------|-----|---------|---------|---------|
| Variable Speed | | | | | |
| L85UF1V67/87E14 | 19-1/2" | 18" | 30-5/8" | 19-5/8" | 9-3/4" |
| L85UF1V104/118F20 | 22-1/2" | 21" | 33-1/8" | 22-1/8" | 11-1/4" |



Oil Furnaces - Lowboy

GET IT BEFORE IT'S GONE!

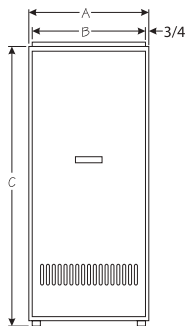


| Model | RHI Stocks | Nozzle Size | Output BTU | AFUE |
|---|------------|-------------|------------|------|
| Front Flue, Variable Speed, 85% Efficient | | | | |
| L85BF1V67/87E14 | ✓ | .50GPH 60A | 67,000 | 85 |
| | | .65GPH 60A | 87,000 | |
| L85BF1V104/118F20 | — | .75GPH 60A | 104,000 | |
| | | .85GPH 60A | 118,000 | |
| L83BF1D84/95E16-1* | ✓ | .65GPH 80B | 85,000 | 83 |
| | | .75GPH 80B | 95,000 | |
| Rear Flue, Variable Speed, 85% Efficient | | | | |
| L85BR1V67/87E14 | ✓ | .50GPH 60A | 67,000 | 85 |
| | | .65GPH 60A | 87,000 | |
| L85BR1V104/118F20 | — | .75GPH 60A | 104,000 | |
| | | .85GPH 60A | 118,000 | |
| L83BR1D84/95E16-1* | ✓ | .65GPH 80B | 85,000 | 83 |
| | | .75GPH 80B | 95,000 | |
| *Constant Torque Models | | | | |

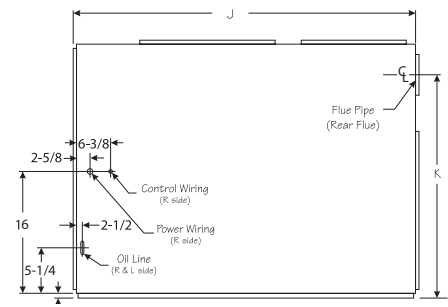
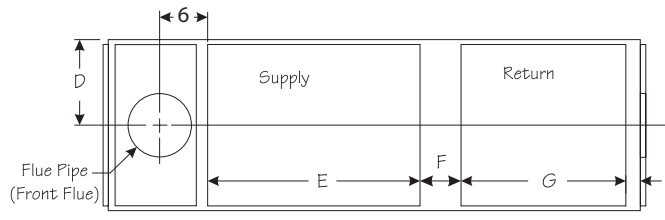


L83UF1D84 / 95E16-1

Made with
Beckett
Components



Flue size is 6"



| Unit Dimensions | | | | | | | | | | |
|------------------------|---------|-----|-----|---------|-----|--------|-----|--------|-----|---------|
| Model | A | B | C | D | E | F | G | H | J | K |
| Variable Speed | | | | | | | | | | |
| L85BF/R1V67/87E14 | 19-1/2" | 18" | 37" | 9-3/4" | 21" | 3-1/4" | 16" | 1-1/2" | 52" | 27-5/8" |
| L85BF/R1V104/118F20 | 22-1/2" | 21" | 37" | 11-1/4" | 21" | 3-1/4" | 16" | 1-1/2" | 52" | 27-5/8" |



Professionals know that
Armstrong Air™ variable
speed oil furnaces are
always a smart choice

80% 1-Stage Mobile Home Gas Furnace



Features

- Aluminized steel heat exchanger
- Sealed combustion
- All models include LP kit if needed
- Standard 76" height

Features

- Efficient ECM constant torque motor
- 1-Stage gas valve
- Hot surface ignition
- Requires use of roof jack



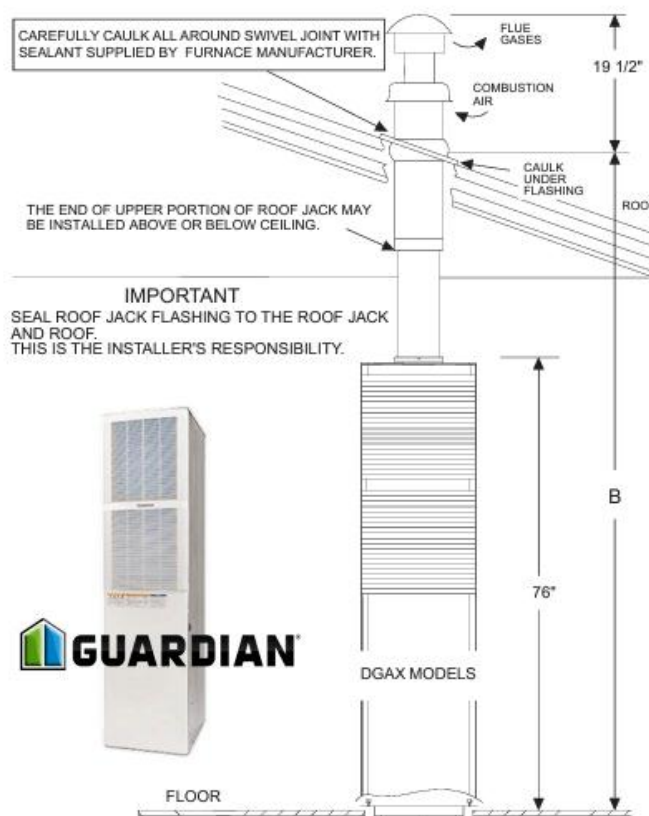
| Part # | Input BTU | Output BTU | CFM | Dimensions (W x D x H) |
|-----------------|-----------|------------|------|------------------------|
| Downflow | | | | |
| DGAX056BDTA | 56,000 | 45,000 | 1305 | 19.5" x 24.75" x 76" |
| DGAX070BDTA | 70,000 | 56,000 | | |
| DGAX077BDTA | 77,000 | 62,000 | | |
| DGAX090BDTA | 90,000 | 72,000 | | |

GUARDIAN FURNACE WARRANTY - 2 Year Parts / 10 Year Heat Exchanger

| Accessories | |
|--------------------|--|
| 4000-7101/C | Guardian Roof Jack - 86" to 95" Floor to Flange - 0/12 to 5/12 Pitch |
| 4000-7121/C | Guardian Roof Jack - 91" to 102" Floor to Flange - 0/12 to 5/12 Pitch |
| 4000-7141/C | Guardian Roof Jack - 99" to 120" Floor to Flange - 0/12 to 5/12 Pitch |
| 4000-7151/C | Guardian Roof Jack - 106" to 132" Floor to Flange - 0/12 to 5/12 Pitch |
| 7900A6171 | Guardian Inside Roof Jack Extension, 17" |
| 7680B6541 | Guardian Outside Roof Jack Extension, 18" |
| S-4000-6941/C | Guardian Removable Crown |
| 12503 | Boss Gray MultiSeal Roof Sealant, 10.1 oz. Tub |

GUARDIAN FURNACE WARRANTY:

- 10 Years Heat Exchanger / 2 Years Parts / 1 Year Labor (registered with factory)



CROWN



ROOF JACK



EXTENSION

| SWIVEL FLASHING ADJUSTS FROM 0/12 TO 5/12 PITCH | DGAX FURNACES INSTALLATION DIMENSIONS |
|---|--|
| | "B" ADJUSTABLE HEIGHT |
| 4000-7101/C | 86" to 95" |
| 4000-7121/C | 91" to 102" |
| 4000-7141/C | 99" to 120" |
| 4000-7151/C | 106" to 132" |

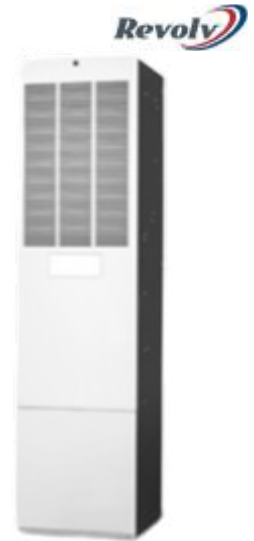
96% AFUE 2 Stage Mobile Home Gas Furnace

Features

- ECM Blower
- **2 stage gas valve** & inducer for optimal operational efficiency and control
- Includes components for easy LP conversion
- Supports up to 4 tons of cooling power

Features

- Aluminized steel heat exchanger
- Fixed 30-second blower delay and post purge
- **A2L Compliant**
- Fully insulated compact cabinet
- **5-year limited warranty on parts**



| Part # | Input BTU | Output BTU | Low Fire Input | Low Fire Output | Coil Box, Air Return | Dimensions (H x W x D) |
|-----------------|--|------------|----------------|-----------------|----------------------|------------------------|
| Downflow | | | | | | |
| MG2S-B060F2ABM1 | 60,000 | 57,600 | 39,000 | 37,400 | 20", Front | 78" x 21.5" x 26.5" |
| MG2S-B072F2ABM1 | 72,000 | 69,100 | 47,000 | 45,100 | | |
| Accessories | | | | | | |
| 904106 | 2 Pipe, Vent Transition Kit (old RJ opening) | | | | | |

MG2S Parts

| Part # | Description |
|----------|-----------------|
| 921691 | Gas Valve |
| 1046527S | Ignitor |
| 1025335 | Inducer Motor |
| 661135R | Inshot Burner |
| 1023972R | Pressure Switch |
| 903600 | Flame Sensor |
| 920916 | Control Board |
| 622684 | Blower Motor |

DGAX Furnaces Common Parts

| Part # | Description |
|----------------|--|
| S1-02543267000 | York Gas Valve, 1/2" NPT x Flange, 24v, NAT/LP |
| S1-32435972000 | Guardian Pressure Switch, .10" WC |
| S1-03101932002 | York Integrated Control Board |
| S1-32541021000 | York Hot Surface Ignitor |
| S1-02535354000 | York Flame Sensor |
| S1-02439710000 | York 1/2 HP, Program Blower Motor, 120V |
| S1-37319801821 | Guardian Booster Assembly, 115v, 3300 RPM, Inducer Motor |

JCI - York Common Parts

| Part # | Description |
|----------------|---|
| S1-1468-2199 | Guardian Blendair Motor, 115V, 1550 RPM |
| S1-02529041002 | York Limit Switch, 150 Open, 120 Close |
| S1-02551477000 | York Limit Switch, 130/160 |
| S1-02434561000 | York Pressure Switch, .95/.4" WC |
| S1-02551475000 | York Limit Switch, 105/135 |
| S1-02551476000 | York Limit Switch, 120/150 |
| S1-02435261000 | York Pressure Switch |
| S1-03103010000 | York Single Stage Control Board |

| Part # | Description |
|----------------|---|
| S1-7990-6451 | Guardian Booster Fan Assembly |
| S1-7990-319P | York Circuit Board |
| S1-02535358000 | York Limit Switch, Manual Reset |
| S1-02439713000 | York Pressure Switch, -1.10" WC |
| S1-32544123000 | York Gas Valve, Replacement for White Rodgers 36G24-206 |
| S1-32649692000 | York Inducer Assembly 341449 |
| S1-02439716000 | York Pressure Switch, -.20" WC |
| S1-02920482000 | York Burners |

Spaceguard Air Cleaners

AprilAire

| Part # | Description | MERV Rating | CFM | Size |
|--------|---|-------------|-------------|-----------|
| 2210 | Media Air Cleaner (Replaces 2200) | 13 | 600-2,000 | 20" x 25" |
| 2410 | Media Air Cleaner (Replaces 2400) | 13 | 1,200-2,000 | 16" x 25" |
| 1610 | 2410 Easy Install™ Media Air Cleaner w/ Built-in Duct Work (No transition needed!) | 11 | 1,000-3,000 | See Below |
| 5000 | Electronic and Media Air Cleaner in one cabinet! | 16 | 2,000 | 16" x 25" |



2210



1610

| Replacement Media and spacers | |
|-------------------------------|---|
| 210 | Replacement MERV 10 Media for 2210 & 4200 |
| 213 | Replacement MERV 13 Media for 2210 & 4200 |
| 410 | Replacement MERV 10 Media for 2410 & 4400 |
| 413 | Replacement MERV 13 Media for 2410 & 4400 |
| 201 | Replacement Media for the 2200 (Uses Spacers) |
| 401 | Replacement Media for the 2400 (Uses Spacers) |
| 501 | Replacement Media for the 5000 (Uses Spacers) |
| 4119 | Replacement Spacers for 2200 |
| 4270 | Replacement Spacers for 2400 & 5000 |



1213



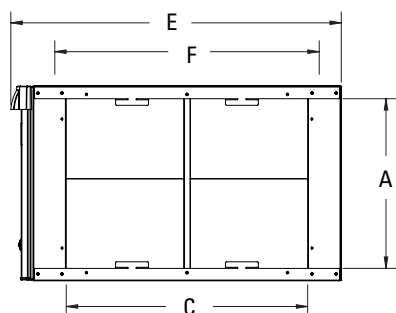
201



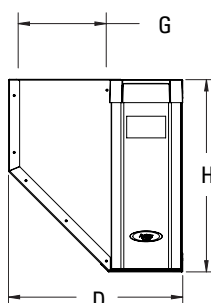
4119

1610 unit dimensions

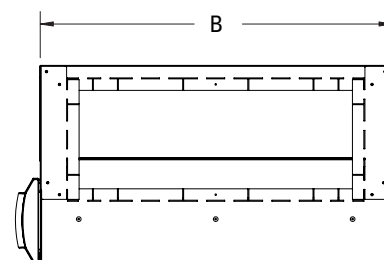
| Fig. | Description | Size | Fig. | Description | Size |
|------|--------------------------|-------|------|-------------------------|--------------|
| A | Outlet Opening Width | 15.5" | E | Outer Housing (w/ Door) | 30.1" |
| B | Outer Housing (w/o door) | 28.2" | F | Inlet Opening Depth | 24.1" |
| C | Outlet Opening Width | 22" | G | Inlet Opening Width | 8.1" - 10.1" |
| D | Unit Width | 15.7" | H | Unit Height | 17.8" |



Outlet Side
Furnace Connection



Front



Inlet Side Return
Duct Connection

Media Air Cleaner Cabinets

| Model # | H x D | Max CFM | MERV |
|-----------|-----------|---------|------|
| F100F1625 | 16" X 25" | 1400 | 11 |
| F100F2025 | 20" X 25" | 2000 | 11 |
| F100F1620 | 16" X 20" | 1200 | 11 |
| F100F2020 | 20" X 20" | 1400 | 11 |
| F100F2044 | 25" X 20" | 2000 | 11 |



RHI Stock Program

All of the F100 Models Listed Above

resideo



F100F2020

F100 / F200 Series Replacement Media

| Part # | Description | Dimensions (W x H) | MERV Rating |
|------------|--------------------------|--------------------|-------------|
| FC100A1029 | Media Replacement Filter | 16" x 25" | 11 |
| FC100A1037 | Media Replacement Filter | 20" x 25" | 11 |
| FC100A1003 | Media Replacement Filter | 16" x 25" | 11 |
| FC100A1011 | Media Replacement Filter | 20" x 20" | 11 |
| FC200E1029 | Media Replacement Filter | 16" x 25" | 13 |
| FC200E1037 | Media Replacement Filter | 20" x 25" | 13 |



FC100A1011

Electronic Air Cleaners

Features

- Captures up to 99% of particles between 3.0 - 10.0 microns
- Galvanized cabinet protects against rust
- Low pressure drop

| Part # | Dimensions (W x H) | Volts | CFM | Description |
|-----------|--------------------|-------|-------|-------------------------|
| F300E1019 | 16" x 25" | 115 | 1,400 | Electronic Air Cleaners |
| F300E1035 | 20" x 25" | 115 | 2,000 | Electronic Air Cleaners |

With Built-In Solid State Air Flow Switch And New Post Filters

resideo

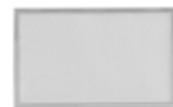


F300E1019

Electrostatic Post Filters (Must Order 2)

| Part # | Dimensions H x W | Used With |
|--------------|------------------------------------|--------------------|
| 50000293-002 | 16" x 25" - Uses (2) 16" x 12-1/2" | F300E, F50F |
| 50000293-004 | 20" x 25" - Uses (2) 20" x 12-1/2" | F300A, F300E, F50F |

resideo



50000293-002

F300 Whole-House Electronic Air Cleaner

Honeywell Home

Three-Stage Filtration

Particles enter three layers of filtering, with optional exclusive electrostatic postfilter.

Whole-House

Cleans the air in all rooms throughout your home.

Superior Performance

The F300 is up to 30 times more efficient at capturing airborne particles compared to a standard one-inch filter

Electrode Steam Humidifier

resideo

Features

- A dependable on-demand steam humidification solution
- Mounting options (**no one else has a duct mount option**)

Features

- Use a variety of options including Prestige IAQ and VisionPRO 8000
- HumidiPRO included
- Replacement cylinder for rapid, simplified, DIY replacement

| Part # | Description |
|------------|---|
| HM750A1000 | Electrode Style Steam Humidifier Output: 120Volt = 11 gal / day / 240V = 22 Gal./Day |
| HM750ACYL | Replacement Electrode Canister for above |



HM750A1000

| | 8,000 FT³ | 12,000 FT³ | 16,000 FT³ | 20,000 FT³ | 24,000 FT³ | 28,000 FT³ | 32,000 FT³ |
|---------|-----------|------------|------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Tight | 11 GPD | 11 GPD | 11 GPD | 11 GPD | 11 GPD | 22 GPD | 22 GPD |
| Average | 11 GPD | 11 GPD | 22 GPD | 22 GPD | 22 GPD | One 11 GPD & One 22 GPD | One 11 GPD & One 22 GPD |
| Loose | 22 GPD | 22 GPD | 22 GPD | One 11 GPD & One 22 GPD | One 11 GPD & One 22 GPD | Two 22 GPD | One 11 GPD & One 22 GPD |

True Ease Evaporative Humidifiers

resideo

Features

- Bypass models feature interchangeable bypass design allowing for quick directional changes w/o system disassembly
- Advanced models include a timer-based solenoid which wets the pad only as needed, reducing water waste

Features

- Front and side access pad replacement features a slide-out mechanism that enables fast pad changes without system disassembly or pump interaction.

| Part # | Description |
|------------|---------------------------------------|
| HE100A1000 | By-Pass Type (Basic) 12 Gal./Day |
| HE150A1005 | By-Pass Type (Advanced) 12 Gal./Day |
| HE200A1000 | By-Pass Type (Basic) 17 Gal./Day |
| HE250A1005 | By-Pass Type (Advanced) 17 Gal./Day |
| HE300A1005 | Power/Fan Type (Advanced) 18 Gal./Day |



HE150A1005



HE300A1005

Replacement Humidifier Pads

resideo

Fits Select Honeywell & AprilAire Humidifiers

| Part # | Description | Fits |
|-----------|---------------|--|
| HC22A1007 | Standard | Honeywell: HE100,105,150,220,225 AprilAire: 110,220,500,550,558 |
| HC22E1003 | Antimicrobial | Same as HC22A1007 listed above |
| HC26A1008 | Standard | Honeywell: HE200,205,250,260,265,300,360,365 AprilAire: 350,360,560,568,600,700,760,768 |
| HC26E1004 | Antimicrobial | Same as HC26A1008 listed above |



HC22A1007

Electrode Steam Humidifier

 BREATHE HEALTHIER
GeneralAire

| Part # | Description |
|--------|---|
| 5580 | Electrode Style Steam Humidifier Output: 120V = 15 Gal./Day / 240V = 28 Gal./Day |
| 7746 | Replacement Electrode Canister for above |

- Drain Tempering for Safety
- Electrode Steam Technology
- Internal 115V / 230V Option Switch
- LED Display With Constant Control Diagnostics
- Up to 28.5 Gallons Per Day (With 230V Power Connection)
- Effortless Maintenance Through:
 - Single Captive-Screw Cover Release
 - Spark Plug Style Cylinder Wire Connections
 - Heavy Duty Metal Mounting Brackets



7746



5580

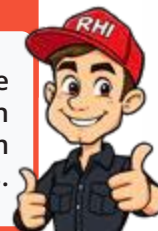
General Evaporative Humidifiers

 BREATHE HEALTHIER
GeneralAire

| Part # | Description |
|--------|---|
| 5800 | Model 3200, By-Pass Type 12 Gal./Day with Manual Humidistat |
| 5950 | Model 4200, By-Pass Type 17 Gal./Day with Manual Humidistat |
| 7225 | Solenoid for 3200 and 4200 Model Humidifiers |

RHI Pro Tip

All evaporative humidifiers are not the same. These models have a very slim design and are shaped in such a way to force air over the pad faster. That makes them better at transferring humidity to the air than the others.



5800

GeneralAire Replacement Humidifier Pads

 BREATHE HEALTHIER
GeneralAire

Also Fits Select Honeywell & AprilAire Humidifiers

| Part # | Description | Also Fits |
|--------|-------------------------------------|--|
| 7905 | GA10 Vapor Pad For GeneralAire 3200 | Honeywell: HE100, 105, 150, 220, 225 AprilAire: 110, 220, 500, 550, 558 |
| 7902 | GA10 Vapor Pad For GeneralAire 4200 | Honeywell: HE200, 205, 250, 260, 265, 300, 360, 365 AprilAire: 350, 360, 560, 568, 600, 700, 760, 768 |



7905

Steam Humidifiers

AprilAire

| Model # | Description |
|---|---|
| 800 | Steam Humidifier, Multi-Voltage, 11 or 34 Gallon / Day Output |
| 865 | Same as 800 but includes Fan Pack for Ductless Applications |
| 80 | Replacement Steam Canister for 800 and 865 |
| 80LC | Replacement Steam Canister for 800 and 865 - For Low Conductivity Water |
| Use with any 24V dry contact humidistat, including Honeywell's IAQ thermostats! | |



80



800

- 1 unit provides 11 - 34 gallons per day (based on setup)
- Service light illuminates when canister needs replacing
- Remote or Duct Mounted
- Special dispersion tube delivers hottest, driest steam - preventing condensation in the duct work
- End of Season drain (after 72 hours of inactivity)
- Operating Time Monitor
- Includes Model 62 Humidistat Control
- Tempers drain water to prevent scalding

Evaporative Humidifiers

AprilAire

| Part # | Description |
|--------|--|
| 500M | By-Pass Type (Basic) 12Gal/day |
| 400A | No Drain, By-Pass Type (Auto-Trac) 12Gal/day |
| 600A | By-Pass Type (Auto-Trac) 17Gal/day |
| 700A | Fan Powered Type (Auto-Trac) 17Gal/day |



600A



400A

Replacement Solenoids

| Part # | Description |
|--------|------------------------------------|
| 4040 | AprilAire Replacement 24V Solenoid |
| SUHS24 | Supco Universal Solenoid |



4040



SUHS24

Evaporative Water Panels

AprilAire

| Part # | Fits | Dimensions |
|--------|------------------------------------|-----------------------|
| 10 | Model 110, 220, 550 | 9.5" x 9.75" x 1.5" |
| 12 | Model 112, 224, 225, 440, 445 | 11.5" x 14.75" x 1.5" |
| 35 | Model 350, 360, 560, 600, 700, 760 | 10" x 13" x 1.5" |
| 45 | Model 400 (Only Sold in 2-Pack) | 10" x 13" x 1.75" |



Acu-Stream Humidifiers

THERMOLEC

| Model # | Gallons / Day | kW | Volts | Ductless Remote Fan Kit |
|-----------|--|-----|-------|-------------------------|
| ACU-5 | 13 | 1.5 | 120 | — |
| ACU-5-SP | 13 | 1.5 | 120 | ✓ |
| ACU-8-SP | 22 | 2.4 | 240 | ✓ |
| ACU-10 | 28 | 3.0 | 240 | — |
| ACU-15 | 37 | 4.0 | 240 | — |
| 08-00-010 | Digital Room Modulating Humidistat with Outdoor Sensor | | | |

Use any 24V dry contact humidistat, including Honeywell's IAQ thermostats!
(Close terminals "G" and "In" on ACU humidifiers to call for humidity)



**ACU DUCTLESS
REMOTE FAN KIT
FAN PACK**



THERMOLEC



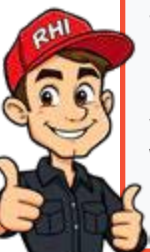
The ACU-Stream humidifiers carry a **2-year parts** and **10-year element warranty**

STEAM HUMIDIFIER COMPARISON

| Steam Humidifier Comparison | RESIDEO HM750 | APRILAIRE 800 | GENERALAIRE 5580 |
|-----------------------------|---|------------------|---------------------|
| Description | Canister Style Humidifiers that generate steam and disperse directly into the supply duct. All three are stocked at RHI Supply. | | |
| 120 / 230 Volts | ✓ | ✓ | ✓ |
| Output (Gallons / Day) | 11 - 22 | 11.5 - 34.6 | 15 - 28.5 |
| User Interface | Colored LEDs | Colored LEDs | LCD Display |
| Control Included | ✓ | ✓ | ✓ |
| Automatic Outdoor Reset | ✓ | ✓ | ✓ |
| Recommended Sq Footage | 4,000 | 5,000 | 5,500 |
| Dimensions (W x H x D) | 10" x 18" x 7" | 10" x 21" x 7" | 13" x 21" x 8" |
| Weight (Lbs.) | 18.5 | 27 | 20 |
| Water Tempering for Drain | ✓ | ✓ | ✓ |
| Output adjustable | — | — | ✓ |
| Output range | N/A | N/A | 20 - 100% |
| Rebate Program | ✓ ProPerks | — | — |
| Replacement Canister # | HM750ACYL | 80 | 7746 |
| Replacement Canister Cost | 95.09 | 93.45 | 95.88 |

RHI Pro Tip

You have choices when it comes to controlling humidity for your customers. Use these side-by-side comparisons to determine which Steam Humidifier or Whole Home Dehumidifier is right for the job.



HM750A1000



800



5580

| Whole Home Dehumidifier Comparison | RESIDEO DR90 | APRILAIRE E100 | GENERALAIRE DH100 |
|------------------------------------|---|-------------------|----------------------|
| Description | Whole House Dehumidifiers that reduce humidity in crawl spaces, basements, and entire homes. All three are stocked at RHI Supply. | | |
| 5 Year Warranty | ✓ | ✓ | ✓ |
| Removes up to (Pints/Day) | 90 | 100 | 100 |
| User Interface | N/A | Top Mounted LCD | Angle Mounted LCD |
| WiFi Control | — | — | ✓ |
| Filter MERV | 11 | 8 | 11 |
| Washable Filter | — | ✓ | — |
| Dimensions (W x H x L) | 15" x 20" x 26" | 13" x 16" x 28" | 13" x 16" x 21" |
| Weight (Lbs.) | 86 | 64 | 65 |
| Integrated Handles | — | — | ✓ |
| Duct Collars | 10" | 10" | 10" |
| Rebate Program | ✓ ProPerks | — | — |
| Replacement Filter # | 50070171-002 | 5443 | 7144 |



DR90A3000



E100



DH100

Dehumidistats & Humidistats

resideo

| Part # | Description | Humidity Range |
|------------|--|---|
| H6062A1000 | New Digital 'HumidiPRO' (Hum or Dehum) | Manual Mode: 10% - 90% RH Auto Mode : 10% - 60% RH |
| H8908ASPDT | Humidistat | 10% to 60% RH |
| H8908DSPDT | Dehumidistat | 20% to 80% RH |



H6062A1000

Dehumidistats

ARANGO

Features

- Choice of 5% or 15%RH differential
- Choice of (2) SPST and (2) SPDT switches
- Fixed or adjustable setpoints
- Gold-plated contacts available for microprocessor load applications

Features

- Sensing element provides 12x faster response speed compared to film nylon
- Plastic frame eliminates need for external grounding

| Product # | Description | Color | Humidity Range | Mount | Volts |
|-----------|---------------------|-------|----------------|-------------|-------|
| J10-809W | Analog Dehumidistat | White | 20% to 80% | Wall / Duct | <30 |



J10-809-W

TrueDRY™ Dehumidifiers

resideo

Features

- Integrated set and forget humidistat
- Side duct exhaust

Features

- MERV 11 air filtration
- Energy Star rated

| Product # | Capacity | Volts |
|------------|-----------------|-------|
| DR65A3000 | 65 Pints / Day | 120 |
| DR90A3000 | 90 Pints / Day | 120 |
| DR120A3000 | 120 Pints / Day | 120 |



DR65A3000

E-Series Dehumidifiers

AprilAire

Features

- Plug-in or hard-wired options

Features

- 5-year warranty

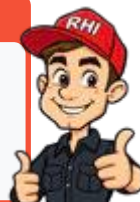
| Part # | Capacity | Volts |
|--------|-----------------|-------|
| E080 | 80 Pints / Day | 120 |
| E100 | 100 Pints / Day | 120 |



E100

RHI Pro Tip

Aprilaire makes a quality dehumidifier. They have been popular for years without a lot of issues. We carry both of these units stock!



Dehumidifiers

Features

- LCD touch Screen & WiFi Control
- Fan-only function. Set for 10, 20, or 30 minutes per hour
- Filter change reminder
- Low temperature shutoff

Features

- Integrated Handles
- Adjustable feet for levelling
- Quarter turn screw release for easy MERV 11 filter replacement
- 5-year warranty

| Part # | Description | Capacity | Volts |
|--------|--------------------------|-----------------|-------|
| 5333 | Model DH75 Dehumidifier | 75 Pints / Day | 120 |
| 5334 | Model DH100 Dehumidifier | 100 Pints / Day | 120 |



DH75

New APP Features

- **NEW!** Help buttons take you to dehumidifier help topics on www.generalfilters.com.
- **NEW!** Humidity sensor offset (+/- 5%) for calibration to another humidity measuring device in the home.
- **NEW!** Low voltage connection for remote dehumidistat or water leak detection device.
- **NEW!** APP attempts to reconnect should Wi-Fi be lost until connection is restored.
- **NEW!** Dewpoint lockout setpoint.



See installation manual for instructions on how to download and use the GeneralAire® APP. Or go to www.generalfilters.com, dehumidifier help topics.

RHI Pro Tip

All of the dehumidifiers listed on these pages (291 - 292) can be controlled with a dry contact switch. Feel free to use any dehumidistat your customer would like. We recommend pairing them with a Resideo thermostat that can control indoor air quality.

If you need help selecting the appropriate control - let us know! We're happy to help.



Dehumidifier Capacity Required to Maintain Desired Indoor RH*

| Home Size | 60% RH Indoor (Pints/day) | 50% RH Indoor (Pints/day) | 40% RH Indoor (Pints/day) |
|------------|---------------------------|---------------------------|---------------------------|
| 2080 sq ft | 49-54 | 55-58 | 71-78 |
| 2600 sq ft | 61-68 | 65-72 | 90-97 |
| 3120 sq ft | 75-82 | 79-86 | 95-110 |

* Based on extreme climates where outdoor humidity is 70-90% RH.

Greentek HRVs

| Part # | Description | CFM | Duct Size |
|-------------|-------------------------------------|-----------|-----------|
| 02-00-105 | C 3.14 ES (TP) | 30 to 140 | 5" Oval |
| 02-00-115 | PH 10.22 ES2 (SP) | 50 to 250 | 6" Round |
| Accessories | | | |
| 02-00-300 | 1.0 Vectra Entry Level Controller | | |
| 02-00-305 | 1.5 Vectra Digital Wall Controller | | |
| 02-00-315 | T-3 Push Button Timer - White | | |
| 02-00-325 | Matrix Concentric Vent Hood - White | | |



NEW Greentek HRVs

| Part # | Description | CFM @ 0.2" | Duct Size | Core Style | Sensible Recovery | Defrost | Filters |
|-----------|---------------|------------|--------------------|--------------------------------------|-------------------|---|-------------------------|
| 02-00-140 | Solace® 1.2H | 40 to 127 | 5" Round Top Port | Counterflow Core (More Efficient) | Up to 82% | Recirculation Defrost (More Efficient) | MERV 8 & 13 Optional |
| 02-00-141 | Solace® 1.5H | 75 to 172 | 6" Round Top Port | | | | |
| 02-00-142 | Solace® 2.0H | 100 to 220 | 6" Round Top Port | | | | |
| 02-00-050 | Premier® 1.5H | 70 to 191 | 6" Round Side Port | Cross Flow Core | Up to 75% | Supply Fan Shutdown | MERV 3 Washable |
| 02-00-055 | Premier® 2.0H | 70 to 233 | 6" Round Side Port | | | | |

| Accessories | |
|-------------|--|
| 02-00-303 | T-5 20/40/60 Push Button Timer 2-Wire |
| 02-00-306 | T-4 20/40/60 Timer - White |
| 02-00-307 | STS 2.0 Programmable Wall Control and Programmer |
| 02-00-308 | EHC 2.0 Push Button Timer |
| 02-00-309 | EHC 2.5 Multi Function Controller |
| 02-00-310 | RD-4P Wall Control w/ RH |
| 02-00-320 | RD-1 Dehumidistat |
| 02-00-321 | RD-2 Control |



TrueBREEZE™ HRV System **NEW!**

Simple Ventilation for Colder Climates

Features

- Removable Duct Collars
- Two variable-speed motors – one for each air stream

Features

- Easy-to-use adjustable hanging straps
- Centralized wiring and speed control
- **5-year warranty**

| Part # | Duct Size | CFM | Height | Length | Width | Wt (lbs) |
|----------------|--------------|-----|--------|--------|--------|----------|
| VNT5150H2000/U | 6" Side Port | 150 | 21.44" | 29.5" | 11.69" | 44 |



resideo

NUMBER OF BEDROOMS (MASTER = 2)

| CONDITIONED SPACE - SQ FT. | MN R403.5.2 | Total / Continuous Ventilation - CFM | | | | | |
|----------------------------|---------------|--------------------------------------|----------|----------|----------|-----------|-----------|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| | < 1,500 | 60 / 40 | 75 / 40 | 90 / 45 | 105 / 53 | 120 / 60 | 135 / 68 |
| | 1,500 - 2,000 | 70 / 40 | 85 / 43 | 100 / 50 | 115 / 58 | 130 / 65 | 145 / 73 |
| | 2,000 - 2,500 | 80 / 40 | 95 / 48 | 110 / 55 | 125 / 63 | 140 / 70 | 155 / 78 |
| | 2,500 - 3,000 | 90 / 45 | 105 / 53 | 120 / 60 | 135 / 68 | 150 / 75 | 165 / 83 |
| | 3,000 - 3,500 | 100 / 50 | 115 / 58 | 130 / 65 | 145 / 73 | 160 / 80 | 175 / 88 |
| | 3,500 - 4,000 | 110 / 55 | 125 / 63 | 140 / 70 | 155 / 78 | 170 / 85 | 185 / 93 |
| | 4,000 - 4,500 | 120 / 60 | 135 / 68 | 150 / 75 | 165 / 83 | 180 / 90 | 195 / 98 |
| | 4,500 - 5,000 | 130 / 65 | 145 / 73 | 160 / 80 | 175 / 88 | 190 / 95 | 205 / 103 |
| | 5,000 - 5,500 | 140 / 70 | 155 / 78 | 170 / 85 | 185 / 93 | 200 / 100 | 215 / 108 |
| | 5,500 - 6,000 | 150 / 75 | 165 / 83 | 180 / 90 | 195 / 98 | 210 / 105 | 225 / 113 |

An HRV intended to comply with both the continuous and total ventilation rate requirements shall meet the rated design capacity of the continuous ventilation rate specified in MN Section R403.5.3 under low capacity and meet the total ventilation rate specified in MN Section R403.5.2 under high capacity.

EXAMPLE: 1,400 sq ft rambler with full basement, 3 bedrooms.

(1,400 x 2 to include basement)= **2,800 sq ft & 4 bedrooms** (master counts as 2)

In MN, you should be installing an HRV capable of 135 cfm on high speed.

NUMBER OF BEDROOMS

| CONDITIONED SPACE- SQ FT. | ND & SD (IRC) | Continuous ventilation - CFM | | | | |
|---------------------------|---------------|------------------------------|-------|-------|-------|-----|
| | | 1 | 2 - 3 | 4 - 5 | 6 - 7 | > 7 |
| | < 1,500 | 30 | 45 | 60 | 75 | 90 |
| | 1,500 - 3,000 | 45 | 60 | 75 | 90 | 105 |
| | 3,000 - 4,500 | 60 | 75 | 90 | 105 | 120 |
| | 4,500 - 6,000 | 75 | 90 | 105 | 120 | 135 |
| | 6,000 - 7,500 | 90 | 105 | 120 | 135 | 150 |
| | > 7,500 | 105 | 120 | 135 | 150 | 165 |

EXAMPLE: 1,400 sq ft rambler with full basement, 3 bedrooms.

(1,400 x 2 to include basement)= **2,800 sq ft & 3 bedrooms**

In ND & SD, you should install an HRV capable of 60 cfm on high speed.

In-Line Centrifugal Fans



| Part # | CFM @ .4" | Housing | Duct Size |
|--------|-----------|---------|-----------|
| FR100 | 93 | Plastic | 4" |
| FR110 | 147 | | 4" |
| FR125 | 96 | | 5" |
| FR150 | 243 | | 6" |
| FR160 | 249 | | 6" |
| FG8 | 351 | Metal | 8" |
| FG8XL | 428 | | 8" |
| FG10XL | 531 | | 10" |


FR110

FG8

Exhaust Fans



| Part # | Description |
|---------|---|
| RVF-4 | Exterior Exhaust Fan - 4" Duct Size - 134 CFM |
| RVF-4XL | Exterior Exhaust Fan - 4" Duct Size - 178 CFM |
| DBF110 | Dryer Booster Fan for Long Duct Runs |
| RN2 | Radon Fan - 4" / 5" Duct Size - 157 CFM |


DBF110

RN2

Accessories



| Part # | Description |
|---------|---------------------------------------|
| FD-60EM | Electronic Wall Timer - 20A - 60 min. |
| DG-4 | Grille 4" Round - Supply/Exhaust |
| DG-6 | Grille 6" Round - Supply/Exhaust |
| RSK-6 | 6" Round Backdraft Damper |
| RSK-8 | 8" Round Backdraft Damper |
| WC-15 | Variable Switch 0-100% w/Off |


WC-15

FD-60EM

HRVs



| Part # | Duct Size | CFM @ 0.4" Static | Description |
|-----------|-----------|-------------------|--------------------------|
| VHR70RES | 5" Oval | 159 | High Static Pressure HRV |
| HERO 150H | 6" Round | 160 | HERO® HRV |
| VHR150 | 6" Oval | 104 | Compact HRV |


HERO 150H

COM6P

| Intake/Exhaust Hood Kits | |
|--------------------------|--|
| COM4P | 4" Plastic Intake/Exhaust Hoods (2 Pack) |
| COM5P | 5" Plastic Intake/Exhaust Hoods (2 Pack) |
| COM6P | 6" Plastic Intake/Exhaust Hoods (2 Pack) |
| COM6M | 6" Metal Intake/Exhaust Hoods (2 Pack) |

| Controls | |
|----------|--|
| RTS2 | 20-Minute 'Push Button' Timer (40164) |
| RTS3 | 20/40/60 'Minute Push' Button Timer |
| 414727 | ECO-Touch Wall Controller |
| MDEH1 | Dehumidistat - 2 wire Low Voltage |
| EDF7 | Dehumidistat - 2 wire Low Voltage - Multi-Function |

WhisperCeiling® Ventilation Fans

| Part # | Description | Vent | CFM | Sones |
|------------|--|---------|---------------|-------|
| FV-0511VQ1 | WhisperCeiling® DC Ceiling-Mount Fan | 4" / 6" | 50 / 80 / 110 | 0.3 |
| FV-1115VQ1 | w/ SmartFlow™ Technology | 6" | 110 / 150 | 0.3 |
| FV-20VQ3 | WhisperCeiling® Spot Ventilation Ceiling-Mount Fan | 6" | 190 | 1.3 |
| FV-30VQ3 | | 6" | 290 | 2.0 |
| FV-40VQ4 | | 6" | 380 | 3.0 |



WhisperValue® - ECM - Ceiling or Wall

Features

- Customizable Airflow with Pick-A-Flow® Selector (50, 80, or 100 CFM)
- SmartFlow™ Technology adjusts fan speed for optimal performance and energy savings

Features

- 10W dimmable LED chip panel with <1W LED night light (night light wired separately)
- Low Profile Design with 3-3/8" housing, ideal for tight spaces and 2x4 stud walls

| Part # | Description | Vent | CFM | Sones |
|--------------|---|------|---------------|-------|
| FV-0510VS1 | WhisperValue® Fan | 4" | 50 / 80 / 100 | 0.8 |
| FV-0510VSL1 | WhisperValue® Fan with Light | | | |
| FV-0510VSC1 | WhisperValue® Fan w/Condensation Sensor | | | |
| FV-0510VSCL1 | Pick A Flow / Light / Condensation Sensor | | | 0.5 |
| FV-0810VSSL1 | Pick A Flow / LED Light (ASHRAE) | | 80 / 110 | 1.5 |



WhisperRecessed® LED Ventilation Fan / Light

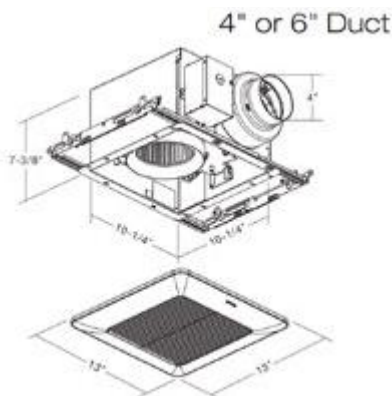
Features

- Architectural grade recessed fan / LED light
- Quiet 80 CFM ventilation hidden above the ceiling

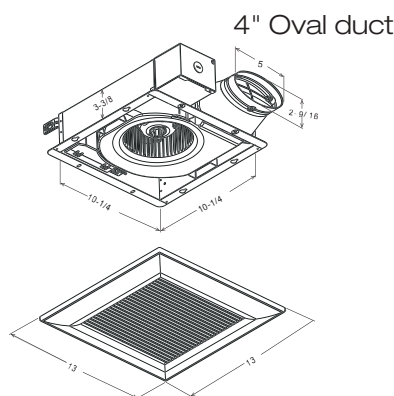
Features

- Replaceable 8W, ENERGY STAR® 2.0 certified LED lamp
- Beautiful 6" aperture lighting with advanced luminaire design

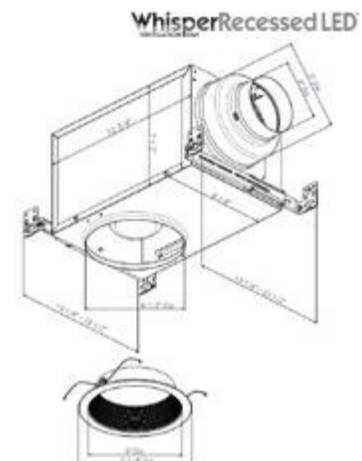
| Part # | Description | Vent | CFM | Sones |
|-----------|------------------------------|---------|-----|-------|
| FV-08VRE2 | Looks like a Recessed Light! | 4" / 6" | 80 | 1 |



FV-0511VQ1



FV-0510VS1



FV-08VRE2

WhisperCeiling DC® Ventilation Fan / Light

Panasonic

Features

- Revolutionary ECM motor with SmartFlow™ technology for optimal CFM output
- Flex-Z Fast® bracket enables quick, hassle-free installation

Features

- Long-life 10W dimmable LED panel with <1W night light for warm, energy-efficient illumination



FV-0511QVL1

| Part # | Description | Vent | CFM | Sones |
|-------------|---------------------------------|------|-----|-------|
| FV-0511VQL1 | WhisperCeiling® DC Fan w/ Light | 4" | 90 | 0.3 |
| FV-1115VQL1 | | 6" | 110 | 1 |

WhisperFit® DC Ventilation Fan - Pick-A-Flow

Panasonic

Features

- Revolutionary ECM motor with SmartFlow™ Technology for optimal CFM output
- Pick-A-Flow® selector offers 50, 80, or 110 CFM with a simple switch flip

Features

- Flex-Z Fast® bracket enables quick, hassle-free installation
- Low-profile 5-5/8" housing fits 2x6 joists or larger



FV-0511VF1

| Part # | Description | Vent | CFM | Sones |
|-------------|--------------------------------------|------|-----------|-------|
| FV-0511VF1 | WhisperFit® Pick-A-Flow | 4" | 50 to 110 | 0.5 |
| FV-0511VFL1 | WhisperFit® Pick-A-Flow with a Light | | | |

WhisperSense® DC Ventilation Fan - Motion & Humidity

Panasonic

Features

- Ideal for bathrooms, laundry rooms, basements, and garages
- ECM motor with SmartFlow™ technology for optimal CFM output
- Flex-Z Fast® bracket enables quick, hassle-free installation

Features

- Pick-A-Flow® Speed Selector (50-80-110 CFM) simplifies selection and ensures code compliance
- Dual Sensor Technology (motion & moisture) for automatic moisture and odor control



FV-0511VQCL1

| Part # | Description | Vent | CFM | Sones |
|--------------|-----------------------------------|---------|---------------|-------|
| FV-0511VQC1 | WhisperSense® (2) Sensors | 4" / 6" | 50 / 80 / 110 | 0.3 |
| FV-0511VQCL1 | WhisperSense® (2) Sensors + Light | | | 0.4 |

WhisperWarm® DC Ventilation Fan w/ Heater

Panasonic

Features

- 600W Positive Temperature Coefficient (PTC) heater for instant warmth and reliable operation
- Pick-A-Flow® (50-80-110 CFM) and SmartFlow™ technology for easy selection and optimum performance

Features

- Flex-Z Fast® bracket enables quick, hassle-free installation
- 10W dimmable LED chip panel with <1W night light
- Unique circulation grille with built-in diffuser for advanced heating performance



FV-0511VHL1

| Part # | Description | Vent | CFM | Sones |
|-------------|----------------------------------|---------|---------------|-------|
| FV-0511VH1 | WhisperWarm® Fan w/ Heat | 4" / 6" | 50 / 80 / 110 | 0.7 |
| FV-0511VHL1 | WhisperWarm® Fan w/ Heat & Light | | | |

WhisperWall® Through-The-Wall Fan

| Part # | Description | CFM | Sones |
|----------|-----------------------------------|-----|-------|
| FV-08WQ1 | WhisperWall® Through-The-Wall Fan | 70 | 1.1 |


Panasonic
FV-08WQ1


EZSoffitVent™ Soffit Termination System

Features

- Unique design lets you complete ducting before soffit panel install

Features

- Ideal for new residential construction
- Eliminates water intrusion costs

| Part # | Description |
|--------|----------------------------------|
| EZSV14 | Unique Termination for Bath Fans |


Panasonic
EZSV14

WhisperGreen® Select - All w/ DC Motors - You Choose The CFM!

| Part # | Description | Vent | CFM | Sones |
|---|---|---------|------------------|-------|
| FV-05-11VK2 | WhisperGreen® Select Fan | 4" / 6" | 50, 80, or 110 | 0.3 |
| FV-11-15VK2 | WhisperGreen® Select Fan | 6" | 110, 130, or 150 | 0.3 |
| FV-05-11VKS2 | WhisperGreen® Select with Speed Control | 4" / 6" | 50, 80, or 110 | 0.3 |
| WhisperGreen® Select Fan & Light | | | | |
| FV-05-11VKL2 | WhisperGreen® Select Fan w/ Light | 4" / 6" | 50, 80, or 110 | 0.3 |
| FV-11-15VKL2 | WhisperGreen® Select Fan w/ Light | 6" | 110, 130, or 150 | 0.3 |
| FV-05-11VKSL2 | WhisperGreen® Select w/ Light & Speed Control | 4"/ 6" | 50, 80, or 110 | 0.3 |

Panasonic

FV-05-11VK2

FV-05-11VKSL2

WhisperGreen® Select - Plug 'N Play Modules

| Part # | Description |
|------------|--|
| FV-VS15VK1 | Multi-Speed Module: Multi-Speed Selector w/ Time Delay |
| FV-MSVK1 | SmartAction® Motion Sensor Module: Automatically Activates When Someone Enters |
| FV-CSVK1 | Condensation Sensor Module: Controls Condensation By Anticipating Dew Point |
| FV-NLVK1 | NiteGLO™ Led Night Light Module: Automatically Turns On 1W Led Light In Dark |

Panasonic

FV-NLVK1

Vents w/ Screen AND Damper

| Part # | Description | Mounting | Size |
|--|---|----------|------|
| Wall Vent w/ Screen and Backdraft Damper | | | |
| PSDWV4 | Hooded Wall Vent w/ Screen and Backdraft Flapper Painted Black / Brown / White | Wall | 4" |
| PSDWV6 | | | 6" |
| PSDWV8 | | | 8" |
| PSDWV10 | | | 10" |
| Roof Vent w/ Damper | | | |
| RDVG4BL | Painted Roof / Vent Cap with Screen | Roof | 4" |
| RDVG6BL | | | 6" |

Artis Metals Company

PSDWV4

RDVG4BL

TRX Series Gas-Fired Condensing Boilers



| Model # | RHI Stocks | Combi Unit | BTU Input Range | Wt (lbs) | Dimensions (H x W x D) | Vent | AFUE |
|---------|------------|------------|------------------|----------|------------------------|------|------|
| TRX085 | ✓ | — | 9,400 - 85,000 | 78 | 30" X 16" X 16" | 2" | 96% |
| TRX110C | ✓ | ✓ | 11,200 - 106,000 | 83 | | | 95% |
| TRX120 | ✓ | — | 13,200 - 120,000 | 84 | | | |
| TRX150C | ✓ | ✓ | 13,200 - 120,000 | 84 | | | |
| TRX150 | ✓ | — | 15,000 - 150,000 | 115 | 34" X 20" X 18" | 3" | 95% |
| TRX199 | ✓ | — | 19,700 - 197,000 | 125 | | | |
| TRX199C | ✓ | ✓ | 19,700 - 197,000 | 130 | | | |

Accessories

| | |
|-------|--|
| 86998 | Floor Stand, Galvanized for All TRX, FTVN, TFT60-285 |
| 87099 | Cascade / Twinning Kit |
| 87262 | Low Loss Header Kit for FTVN & TRX 150k BTU and Up |

FTVN Series Gas-Fired Condensing Boilers



| Model # | RHI Stocks | Combi Unit | BTU Input Range | Wt (lbs) | Dimensions (H x W x D) | Vent | AFUE | |
|----------|------------|------------|------------------|----------|-----------------------------|----------|-------------------------|-----|
| FTVN085 | ✓ | — | 8,500 - 85,000 | 107 | 34-1/8" x 19-3/4" x 16-1/2" | 2" or 3" | 96% | |
| FTVN110 | ✓ | — | 11,000 - 111,000 | 107 | | | 34-1/8" x 19-3/4" x 18" | 95% |
| FTVN110C | ✓ | ✓ | 11,000 - 111,000 | 107 | | | | |
| FTVN150 | ✓ | — | 15,000 - 150,000 | 122 | | | | |
| FTVN150C | ✓ | ✓ | 15,000 - 150,000 | 130 | | | | |
| FTVN199 | ✓ | — | 19,000 - 190,000 | 140 | | | | |
| FTVN199C | ✓ | ✓ | 19,000 - 190,000 | 141 | | 3" | | |

Accessories

| | |
|-------|--|
| 86998 | Floor Stand, Galvanized for all TRX, FTVN, TFT60-285 |
| 87099 | Cascade / Twinning Kit |
| 87262 | Low Loss Header Kit for FTVN & TRX 150k BTU and up |

COMPASS Series Gas-Fired Condensing Boilers



| Model # | RHI Stocks | Combi Unit | BTU Input Range | Wt (lbs) | Dimensions (H x W x D) | Vent | AFUE |
|---------|------------|------------|------------------|----------|-------------------------|----------|------|
| NC085 | — | — | 8,500 - 85,000 | 193 | 49" x 19-7/8" x 24-5/8" | 2" or 3" | 96% |
| NC110 | ✓ | — | 11,000 - 111,000 | 193 | | | 95% |
| NC110C | — | ✓ | 11,000 - 111,000 | 194 | | | |
| NC150 | ✓ | — | 15,000 - 150,000 | 203 | | | |
| NC150C | — | ✓ | 15,000 - 150,000 | 204 | | | |
| NC199 | — | — | 19,000 - 190,000 | 214 | | | |
| NC199C | — | ✓ | 19,000 - 190,000 | 215 | | | |

Residential Boilers

LIMITED LIFETIME
PRIMARY HEAT EXCHANGER
WARRANTY

5y
PARTS



| NTI Residential Boiler Comparison | TRX SERIES | FTVN SERIES | COMPASS SERIES |
|-------------------------------------|---|---|--------------------------------|
| Description | The Next Evolution in Water Tube Boilers! | Fire Tube Boiler Made Simple <i>Your New Favorite!</i> | Floor Mounted Fire Tube Boiler |
| Turn Down Ratio | 11 to 1 | 10 to 1 | 10 to 1 |
| Efficiency | 95% | 95% | 95% |
| Energy Star Rated | ✓ | ✓ | ✓ |
| Heat Exchanger | Stainless Steel | Stainless Steel | Stainless Steel |
| Heat Exchanger Type | Water Tube | Fire Tube | Fire Tube |
| Internal Piping | Copper | Copper | Copper |
| Water Connections | Bottom | Bottom | Left |
| WiFi in Board | ✓ | ✓ | ✓ |
| Outdoor Reset | ✓ | ✓ | ✓ |
| Integrated Primary Loop | — | — | ✓ |
| Integrated Primary Pump | ✓ | ✓ | — |
| Indirect Tank Circ Pump | — | — | — |
| Integrated Indirect Tank | — | — | — |
| Dedicated Indirect Tank Connections | — | — | — |
| Parts Warranty | 5 Years | 5 Years | 5 Years |
| Heat Exch. Warranty | Limited Lifetime* | Limited Lifetime* | Limited Lifetime* |

Lx Series Gas-Fired Condensing Boilers



| Model # | RHI Stocks | BTU Input Range | Wt (lbs) | Dimensions (H x W x D) | Vent | AFUE |
|---------|------------|-------------------|----------|-------------------------|-------------|-------|
| LX150.3 | — | 25,000 - 150,000 | 125 | 29-1/2" x 17" x 18-1/2" | 3" PVC | 93.5% |
| LX200.3 | — | 25,000 - 199,000 | 125 | 29-1/2" x 17" x 18-1/2" | | 93.5% |
| LX300 | ✓ | 55,000 - 275,000 | 180 | 36" x 17" x 21" | 4" PVC | 93.7% |
| LX400.3 | ✓ | 75,000 - 399,000 | 225 | 36" x 17" x 24-1/2" | | 94% |
| LX500 | — | 100,000 - 500,000 | 320 | 43" x 17" x 32-1/2" | | |
| LX600 | — | 120,000 - 600,000 | 380 | 37" x 17" x 47-1/2" | | |
| LX700 | — | 160,000 - 700,000 | 475 | 37" x 17-3/4" x 62-3/4" | 4" / 6" PVC | |
| LX800 | — | 160,000 - 800,000 | 475 | 37" x 17-3/4" x 62-3/4" | | |

LP Kits Available for all models 500,000 BTU and less. 600,000 and above are Natural Gas Only

TFT/N Series Gas-Fired Condensing Boilers



| Model # | RHI stocks | BTU Input Range | Wt (lbs) | Dimensions (H x W x D) | Vent | AFUE |
|---------|------------|-------------------|----------|-----------------------------|------|-------|
| TFTN85 | ✓ | 8,500 - 85,000 | 95 | 42-3/4" x 19-7/8" x 17-3/8" | 3" | 96% |
| TFTN110 | ✓ | 11,000 - 110,000 | 95 | | | 95% |
| TFTN150 | ✓ | 15,000 - 150,000 | 105 | 42-3/4" x 19-7/8" x 18-3/8" | | 95% |
| TFTN199 | ✓ | 19,900 - 199,000 | 116 | | | 95% |
| TFT285 | ✓ | 28,5000 - 285,000 | 175 | | | 94.5% |
| TFT340 | — | 39,900 - 340,000 | 190 | 36-1/3" X 25" X 20" | 4" | 95.4% |
| TFT399 | ✓ | 39,900 - 399,000 | 213 | | | 95.4% |

Accessories

86998 Floor Stand for TFT60-285, TFTN85-199

86999 Floor Stand for TFT300-399

1100M* Low Water Cut-Off

*For ND commercial applications, boilers under 400,000 BTU require a manual reset LWCO. NTI units come with an auto reset and must be upgraded. The SAF 1100M is the easiest like-for-like replacement.

FTG Series Gas-Fired Condensing Boilers



| Model # | BTU Input Range | Dimensions (H x W x D) | Connections | | Vent | AFUE |
|---------|---------------------|-----------------------------|-------------|-----|------|-------|
| | | | In | Out | | |
| FTG800 | 80,000 - 800,000 | 68-1/2" x 33-7/8" x 38-3/8" | 3" | 2" | 6" | 96% |
| FTG1200 | 120,000 - 1,200,000 | 64-3/8" x 33-7/8" x 54" | | 3" | 8" | 97% |
| FTG1400 | 140,000 - 1,400,000 | | | | | 96% |
| FTG2000 | 235,000 - 2,000,000 | 64-3/8" x 33-7/8" x 70" | | | | 96% |
| FTG2200 | 235,000 - 2,200,000 | | | | | 95.7% |
| FTG2400 | 235,000 - 2,350,000 | | | | | 95.3% |

Commercial Boilers

LIMITED LIFETIME
PRIMARY HEAT EXCHANGER
WARRANTY

5y
PARTS



| NTI Commercial Boiler Comparison | LX SERIES | TFT SERIES | TFTN SERIES | FTG SERIES |
|----------------------------------|--|------------------------------|----------------------------------|---|
| Description | A Tried and True Commercial Boiler With The Capacity For Any Job | The Supreme Fire Tube Boiler | Next Generation Fire Tube Boiler | All the Capacity you need for ANY commercial application |
| Turn Down Ratio | 8 to 1 | 10 to 1 | 10 to 1 | 10 to 1 |
| Efficiency | 94% | 95% | 95% | 96% |
| Energy Star | ✓ | ✓ | ✓ | ✓ |
| H Stamped | ✓ | ✓ | ✓ | ✓ |
| Heat Exchanger | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel |
| Heat Exchanger Type | Water Tube | Fire Tube | Fire Tube | Fire Tube |
| Internal Piping Material | N/A | Stainless Steel | Stainless Steel | N/A |
| Water Connections | Left | Top and Bottom | Top and Bottom | Rear |
| Boiler Control | NTI iFlex Touch | NTI iFlex Touch | Color Touch Screen | NTI iFlex Touch |
| Outdoor Reset | ✓ | ✓ | ✓ | ✓ |
| Cascade Multiples | 8 | 8 | 8 | 8 |
| Integrated LWCO | — | ✓ | ✓ | — |
| Indirect Tank Connection | — | ✓ | — | — |
| Parts Warranty | 5 Years | 5 Years | 5 Years | 1 Year |
| Heat Exchanger Warranty | Limited Lifetime* | Limited Lifetime* | Limited Lifetime* | Limited Lifetime* |

Indirect Water Heaters & Storage Tanks

| Model # | RHI Stocks | Stainless Coil For Domestic | Dimensions |
|---------------|------------|-----------------------------|-----------------------------|
| S20W | ✓ | ✓ | 34-1/2" x 20-7/8" x 19-1/2" |
| S40 | ✓ | ✓ | 56" x 20-1/8" Diameter |
| S50 | ✓ | ✓ | 49" x 23-7/8" Diameter |
| V50 | ✓ | ✓ | 56" x 20-1/8" Diameter |
| S65 | — | ✓ | 70-5/8" x 21-7/8" Diameter |
| S80 | ✓ | ✓ | 70-1/4" x 23-7/8" Diameter |
| S120 | — | ✓ | 64-3/4" x 28-7/8" Diameter |
| Storage Tanks | | | |
| ST80 | ✓ | — | 70-1/4" x 23-7/8" Diameter |
| ST120 | — | — | 64-3/4" x 28-7/8" Diameter |



The "S" series is going to be replaced by the "V" series. The V series has the same benefits as the S, but it has a painted metal jacket instead of plastic.



"S" & "V" Model - SS Tank Indirect Water Heater:

When combined with a high efficiency NTI boiler, these tanks can provide virtually endless amounts of domestic hot water. Its tremendous ability to instantaneously heat the water, combined with a generous storage area, makes Trin & Stor the indirect water heater of choice.

"SW" Model - Wall-Mounted Indirect Water Heater:

Same benefits of the "S" model, but compact and wall hung. (Floor stand available)

"ST" Model - Storage Tank:

A stainless steel storage tank, when combined with an NTI volume water heater or Combi boiler, can provide superior performance with unmatched longevity.

Additional Specs

| Model # | Capacity (Gal) | Stainless Coil For Domestic | 1st Hr (Gallons) Recovery 140 °F | 1st Hr (Gallons) Recovery 115 °F | Flow Rate (GPM) | Weight (Empty) | Weight (Full) | Coil PSI Drop |
|---------|----------------|-----------------------------|----------------------------------|----------------------------------|-----------------|----------------|---------------|---------------|
| S20W | 21 | ✓ | 290 | 445 | 10 | 85 | 260 | 4.5 |
| S40 | 40 | ✓ | 213 | 319 | 10 | 71 | 485 | 1.3 |
| S50 | 53 | ✓ | 251 | 372 | 10 | 90 | 655 | 1.6 |
| V50 | 51 | ✓ | 251 | 373 | 10 | 117 | 556 | 2.0 |
| S65 | 66 | ✓ | 327 | 484 | 15 | 104 | 672 | 3.5 |
| S80 | 79 | ✓ | 378 | 559 | 15 | 115 | 995 | 4.7 |
| S120 | 119 | ✓ | 485 | 711 | 20 | 157 | 1,275 | 9.4 |
| ST80 | 79 | — | — | — | — | 160 | 1,040 | — |
| ST120 | 119 | — | — | — | — | 175 | 1,293 | — |

New Yorker High Efficiency Heating Boiler



| Model # | RHI stocks | BTU | Wt (lbs) | Dimensions (H x W x D) | AFUE | Flue |
|----------|------------|------------------|----------|------------------------|------|------|
| GHE2-080 | ✓ | 8,000 - 80,000 | 71 | 29.8" x 17.8" x 16.3" | 95% | 2" |
| GHE2-120 | ✓ | 13,600 - 120,000 | 76 | 29.8" x 17.8" x 16.3" | 95% | 2" |
| GHE2-150 | ✓ | 20,000 -150,000 | 103 | 29.8" x 17.8" x 20.4" | 95% | 2" |
| GHE2-180 | ✓ | 20,000 - 180,000 | 103 | 29.8" x 17.8" x 20.4" | 95% | 2" |

Piping Kit

112504-01

GHEII Domestic Hot Water Accessory Piping Kit



GHE2-080

Features and Benefits:

- Natural or LP Gas
- Easy Service Access
- No-Touch Automatic Combustion Setup
- Rated Based Temperature Reset
- Automatic Combustion Optimization
- 5-Year Standard Parts Warranty
- 12-Year Heat Exchanger Warranty



112504-01

New Yorker High Efficiency Cast Iron Combi Boiler



| Model # | RHI stocks | BTU | Wt (lbs) | Dimensions (H x W x D) | AFUE | Flue |
|-----------|------------|------------------|----------|------------------------|------|------|
| GHE2C-136 | ✓ | 13,600 - 120,000 | 95 | 29.8" x 17.8" x 16.3" | 95% | 2" |
| GHE2C-200 | ✓ | 20,000 - 150,000 | 116 | 29.8" x 17.8" x 20.4" | 95% | 2" |

Piping Kit

112504-01

GHEII Domestic Hot Water Accessory Piping Kit



GHE2C-136

Features and Benefits:

- Natural or LP Gas
- Easy Service Access
- No-Touch Automatic Combustion Setup
- Rated Based Temperature Reset
- Automatic Combustion Optimization
- 10:1 DHW Turndown
- Virtually Instantaneous DHW Response Time
- 5-Year Standard Parts Warranty
- 12-Year Heat Exchanger Warranty



112504-01

New Yorker Cast Power Vented Gas Boiler



| Model | RHI stocks | BTU | Wt (lbs) | Dimensions (H x W x D) | AFUE | Flue |
|--------------|------------|---------|----------|------------------------|-------|------|
| PVCG30BNI-TS | ✓ | 70,000 | 210 | 38" x 12" x 27" | 85.5% | 3" |
| PVCG40BNI-TS | ✓ | 105,000 | 254 | 38" x 15" x 27" | 85.4% | 3" |
| PVCG50BNI-TS | ✓ | 140,000 | 298 | 38" x 18" x 27" | 85.3% | 3" |
| PVCG60BNI-TS | ✓ | 175,000 | 342 | 38" x 21" x 27" | 85.2% | 3" |



PVCG30BNI-TS

Features and Benefits:

- Natural or LP Gas
- Cast Iron Heat Exchanger

- 1 Year Standard Parts Warranty
- Limited Lifetime Heat Exchanger Warranty

The PVCG boilers need to be vented horizontal with Duravent Fas-N-Seal venting

New Yorker Cast Iron Oil Boiler



| Model # | RHI Stocks | Nozzle | BTU Output | Wt (lbs) | Dimensions (H x W x D) | AFUE | Flue |
|---------|------------|--------|------------|----------|-----------------------------|------|------|
| CL-3 | ✓ | 0.65 | 80,000 | 560 | 31-5/8" X 24-5/8" X 17-3/8" | 86.1 | 6" |
| | | 0.75 | 92,000 | | | 86.0 | |
| | | 1.00 | 120,000 | | | 84.3 | |
| CL-4 | ✓ | 0.90 | 111,000 | 680 | 31-5/8" X 24-5/8" X 22-3/8" | 86.0 | 7" |
| | | 1.25 | 151,000 | | | 85.1 | |
| | | 1.50 | 179,000 | | | 84.0 | |
| CL-5 | — | 1.20 | 147,000 | 800 | 31-5/8" X 24-5/8" X 27-3/8" | 85.9 | 8" |
| | | 1.75 | 212,000 | | | 85.1 | |
| | | 2.00 | 241,000 | | | 84.7 | |



CL-3

Features and Benefits:

- Fully Packaged
- Beckett Controls
- Taco Circulator
- Relief Valve

Made with

 Components

- 1 Year Standard Parts Warranty
- Limited Lifetime Heat Exchanger Warranty



New Yorker Cast Iron Gas Boilers

| AFUE | RHI Stocks | BTU | Weight (lbs) | Water Content | Dimensions (H x W x D) | Flue | AFUE |
|----------|------------|---------|--------------|---------------|------------------------|------|------|
| CG30EN-T | ✓ | 70,000 | 180 | 2 gal. | 40" x 14" x 33-1/4" | 4" | 84% |
| CG40EN-T | ✓ | 105,000 | 231 | 3 gal. | 40" x 16" x 33-1/4" | 5" | 84% |
| CG50EN-T | ✓ | 140,000 | 284 | 4 gal. | 40" x 19" x 33-1/4" | 6" | 84% |
| CG60EN-T | ✓ | 175,000 | 332 | 5 gal. | 40" x 22" x 33-1/4" | 6" | 84% |
| CG70EN-T | ✓ | 210,000 | 382 | 6 gal. | 40" x 25" x 33-1/4" | 7" | 84% |
| CG80EN-T | — | 245,000 | 438 | 7 gal. | 40" x 28" x 33-1/4" | 7" | 84% |
| CG90EN-T | — | 280,000 | 484 | 8 gal. | 40" x 31" x 33-1/4" | 8" | 84% |



CG30EN-T



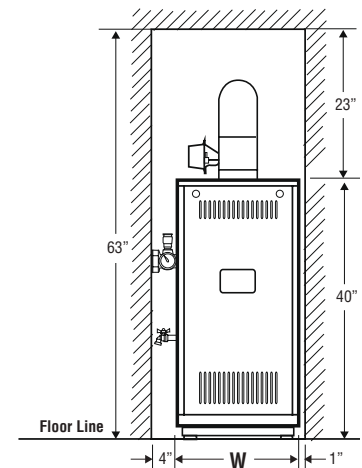
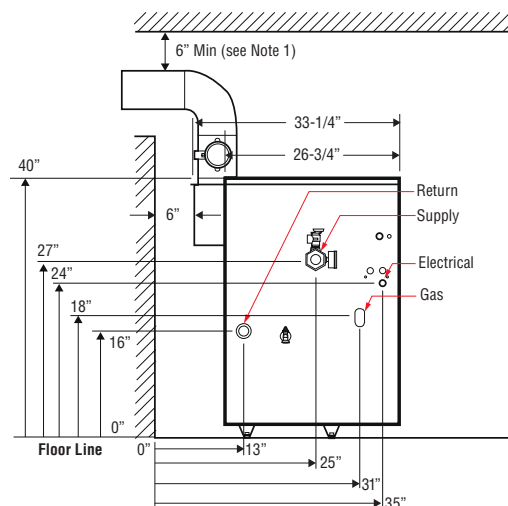
Features and Benefits:

- **Chimney Vented**
- **Integrated Boiler Control**
 - Energy-saving "thermal purge" feature circulates residual warm water in system before firing
 - Combination high limit & circulating relay
- **Natural or LP Gas**
- **Cast Iron Heat Exchanger**
- **Step-Opening Honeywell Gas Valve**

- **1 Year Standard Parts Warranty**
- **Limited Lifetime Heat Exchanger Warranty**

Includes:

- **Insulated steel jacket**
- **Integral draft diverter, damper and connector**
- **130F minimum return**
- **Spark ignition**
- **Taco circulator**
- **Resettable blocked vent switch**
- **Boiler drain valve**
- **Cast iron supply manifold**
- **Stainless steel burners**



Combustion Analyzers

| Part # | Description | For Unit |
|--------------|--|----------|
| 0563 3110 01 | Basic Kit for Residential Includes hard case and printer | 310-P |
| 0564 3002 83 | Kit for Residential / Commercial Soft case and printer (replaces 327) 2-Year Sensor Warranty Field Replaceable Sensors | 300 RES |
| 0564 3004 93 | Kit for Commercial Hard case and printer (replaces 330) 4-Year Sensor Warranty Field Replaceable Sensors Field Upgradable to NOx | 300 COM |



Testo Replacement Sensors and More

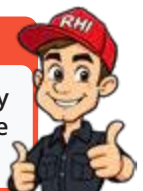
| Part # | Description | For Unit |
|--------------|---|-----------|
| ** | No replaceable sensors, the unit must be sent back to the factory for calibration each year!! | 310 |
| 0393 0005 | O ₂ Sensor (0 - 21%) | 320 |
| 0393 0060 | CO Sensor (0 - 4,000 ppm) | 320 |
| 0390 0047 | O ₂ Sensor | 327 |
| 0390 0115 | CO Sensor (0 - 4,000 ppm) | 327 |
| 0393 0023 | O ₂ LL Sensor "Long Life" | 300 |
| 0393 0060 | CO Sensor (0 - 4,000 ppm) | 300 |
| 0393 0061 | CO LL Sensor "Long Life" (4,000 ppm) | 300 |
| 0393 0002 | O ₂ Sensor | 330 |
| 0393 0061 | CO Sensor (0 - 4,000 ppm) | 330 |
| 0393 0151 | CO Sensor (0 - 3,000 ppm) | 330 |
| 0460 0947 01 | Bluetooth Upgrade (new units only, can't upgrade analyzers in the field) | New Units |



0460 0947 01

Back pain and extra labor costs from moving heavy equipment on stairs?

Save your back and reduce labor costs with the Staircat powered stair climbing appliance cart. Easily transport heavy HVAC equipment up and down stairs with minimal effort. Various accessories available to customize for your specific needs. Try before you buy—rent one today at your local RHI branch!



Motorized Stair Climber Hand Truck

| Part # | Description | Capacity |
|----------|--|-----------|
| MS-1-166 | Battery Powered Hand Dolly w/ Straightforward "Up-Down" Control Switch Makes Carrying Heavy Loads Up Stairs By Yourself A Breeze! | 1,200 Lb. |



Seitron Combustion Analyzers



| Model | Description |
|---------|---|
| S500-1 | O ₂ , CO, CO ₂ , Combustion Efficiency, Excess Air, Draft, Pressure, Temperature, Calculations for High Efficiency, 12" Probe with 5' Hose, Carrying Case |
| NOVO1 | O ₂ , CO, CO ₂ , Combustion Efficiency, Excess Air, Draft, Pressure, Temp, 12" Probe w/ 6' Hose, Carrying Case |
| NOVO1-P | O ₂ , CO, CO ₂ , Combustion Efficiency, Excess Air, Draft, Pressure, Temp, 12" Probe with 6' Hose, w/ Built-In Printer, Hard Plastic Carrying Case |
| S1500-P | Combustion Analyzer with Built-In Printer Residential and Commercial |
| S4500-2 | Emissions Analyzer with Built-In Printer Commercial and Industrial |



NOVO 1 P



NOVO 1



S4500-2



S1500-P

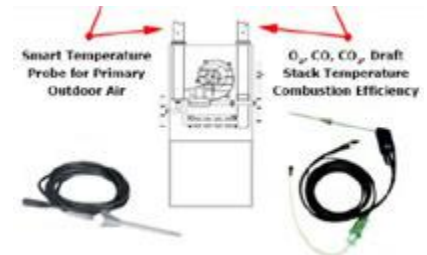
RHI Advantage

Aren't sure which to pick? Ask us why we love Seitron and which one would be the best model for you. Call or Text us today!!

Seitron Replacement Sensors and More



| Part # | For Unit | Description |
|---------|-------------|--|
| AACSE15 | 1500 / 4500 | O ₂ Sensor (0-25%) |
| AACSE24 | 1500 / 4500 | CO Sensor (0-8,000 ppm) |
| AARC10 | 1500 / 4500 | Printer Paper |
| AACFA01 | 1500 / 4500 | Particulate Filter for Water Trap |
| AACKP01 | 1500 / 4500 | Seitron Dual Differential Pressure Hose Kit (for built-in manometer) |



Seitron Gas Sniffer



| Part # | Description |
|--------|---|
| 7899 | Combustible Gas Leak Detector - very simple to operate and displays ppm! Also perfect for use with R-290 Refrigerant systems! |



7899



Standard Plenum Heaters (Dual Fuel)



| Model # | kW @ 240V | Breakers | Amps |
|----------|-----------|----------|------|
| T10U-STD | 10 | (1) 60 | 41.6 |
| T15U-STD | 15 | (2) 40 | 62.5 |
| T20U-STD | 20 | (2) 60 | 83.3 |
| T25U-STD | 25 | (3) 50 | 104 |
| T30U-STD | 30 | (3) 60 | 124 |

Available in Horizontal or Three Phase Plenum Heaters

Standard Plenum Heaters:

- Built-in Dual Fuel Control
- Six Models (5kW - 30 KW)
- Circuit Breakers Included
- Isolation and Operating Relays

Warranty:

- 1 Year parts / 10 Year Elements

Modulating Plenum Heaters

| Model # | kW @ 240V | Breakers | Amps |
|-------------|-----------|----------------|------|
| T15UMOD-HPX | 15 | (1) 30, (1) 60 | 62.5 |
| T20UMOD-HPX | 20 | (2) 60 | 83.3 |
| T25UMOD-HPX | 25 | (1) 30, (2) 60 | 104 |
| T30UMOD-HPX | 30 | (1) 40, (2) 60 | 124 |

Available in Horizontal or Three Phase Plenum Heaters

Modulating Plenum Heaters:

- Perfect for HP Applications
- HP Low Ambient Lockout
- Adjustable Supply Air Temp
- Solid State 'Quiet Relays'

Warranty:

- 1 Year parts / 10 Year Elements

Retro Plenum Heater

| Model # | kW @ 240V | Breaker | Amps |
|-------------|-----------|---------|------|
| T-10U-RETRO | 10 | 60 | 41.6 |

Unique Idea - Shares a circuit breaker with another appliance

Retro Plenum Heaters:

- 100 Amp Service - includes current sensor that stops heat call when other appliance comes on.

Warranty:

- 1 Year parts / 10 Year Elements

Modulating - Electric Boilers

| Model # | kW @ 240V | Breakers | Amps |
|------------|-----------|----------------|-------|
| B-12UFFB-H | 12 | (1) 60 | 47.9 |
| B-15UFFB-H | 15 | (1) 60, (1) 30 | 62.5 |
| B-18UFFB-H | 18 | (1) 60, (1) 50 | 75 |
| B-20UFFB-H | 20 | (2) 60 | 83.4 |
| B-23UFFB-H | 23 | (2) 60 | 95.8 |
| B-27UFFB-H | 27 | (2) 50, (1) 60 | 112.5 |
| B-30UFFB-H | 30 | (3) 60 | 125 |

High Performance - Compact Design

| | | | |
|---------|----|--------|------|
| B-6TMB | 6 | (1) 40 | 25 |
| B-9TMB | 9 | (1) 50 | 37.5 |
| B-11TMB | 11 | (1) 60 | 45.8 |

Modulating Boilers:

- Built-in Dual Fuel Control
- Fully Modulating
- Load Management Control
- Insulated Stainless Steel Tank
- Solid State 'Quiet Relays'
- Outdoor Reset
- Circuit Breakers Included
- Isolation and Operating Relays

Warranty:

- 2 Year parts / 10 Year Elements



T10U-STD

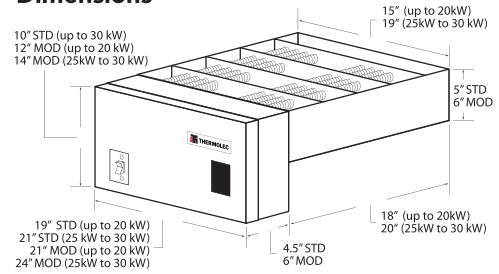
Applications

Standard Plenum Heater:
Fossil fuel furnace with or without A/C

Modulating Plenum Heater:
Fossil fuel furnace with heat pump or zoned system

For homes with 100 amp service panels, ask about our Retro models

Dimensions



Thermolec Boiler Unit Information

| Model # | KW | BTU | Wt (lbs) | Width | Height | Depth |
|---------|----|---------|----------|-------|--------|-------|
| B12UFFB | 12 | 39,238 | 40 | 18" | 18" | 9.5" |
| B15UFFB | 15 | 51,180 | 44 | 18" | 18" | 9.5" |
| B18UFFB | 18 | 61,416 | 47 | 18" | 18" | 9.5" |
| B20UFFB | 20 | 68,240 | 47 | 18" | 18" | 9.5" |
| B23UFFB | 23 | 78,476 | 49 | 18" | 18" | 9.5" |
| B27UFFB | 27 | 92,124 | 73 | 18" | 28" | 9.5" |
| B30UFFB | 30 | 102,360 | 73 | 18" | 28" | 9.5" |
| B35UFFB | 35 | 119,420 | 74 | 18" | 28" | 9.5" |
| B40UFFB | 40 | 136,480 | 74 | 18" | 28" | 9.5" |
| B6TMB | 6 | 20,478 | 23 | 13" | 18" | 9" |
| B9TMB | 9 | 30,717 | 25 | 13" | 18" | 9" |
| B11TMB | 11 | 37,543 | 27 | 13" | 18" | 9" |



B20U-FFB








B9TMB

Thermolec Mini Make Up Air:

Fan with Speed Control, Damper, Heater - ready for install.
Modulating Temp Sensor, ranging from 45 to 600 cfm, available in multiple voltages.

Available sizes:

| | 100 CFM Fan | | 300* CFM | 300 CFM | 600 CFM Fan |
|-----------------------------|--|---|---|---|---|
| Collar Size | 6" | | 8" | 10" | 12" |
| Single Phase | ● | ○ | ● | ● | ● |
| Three Phase | ● | | ● | ● | ● |
| Max Voltage | 240 | 600 | 600 | 600 | 600 |
| Max kW | 3 | 3 | 6 | 10 | 20 |
| Dimensions (X x Y x Z) | X x Y x Z 19 3/8" x 8" x 10 1/2" | 31 1/2" x 10" x 13 3/4" | 35 1/2" x 15" x 15" | 35 1/2" x 15" x 15" | 43 1/2" x 16" x 21" |
| Controls Included |  Room Controller |  Current Sensor |  Current Sensor |  Current Sensor |  Current Sensor |



MINI MAKE UP AIR



THERMO-ZONE



THERMO-AIR

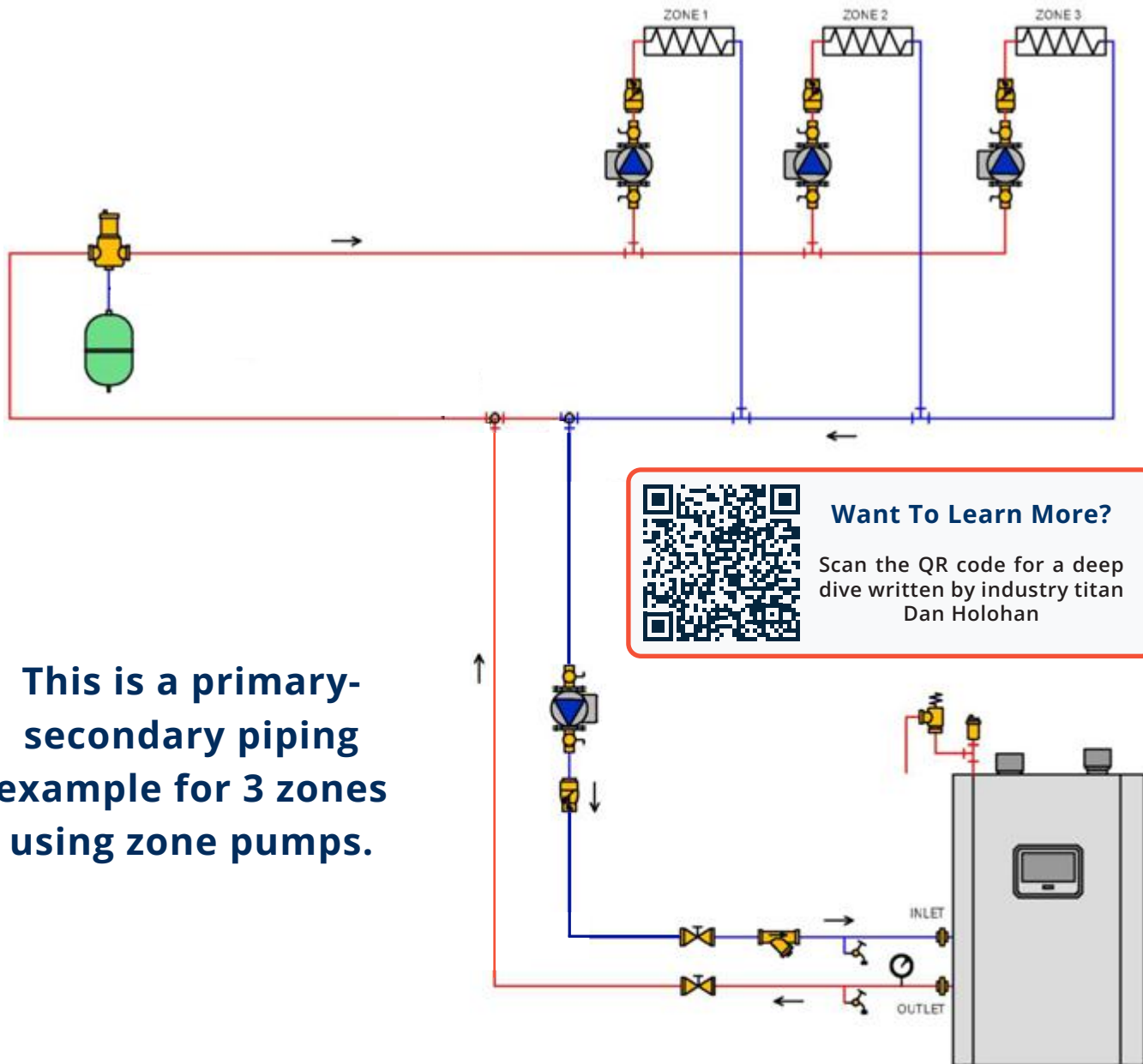
When ordering please specify the collar size, kW and voltage/phase as in the following example:

FER-12-20-600/3

Collar size (inches) ——— kW ——— Voltage/Phase

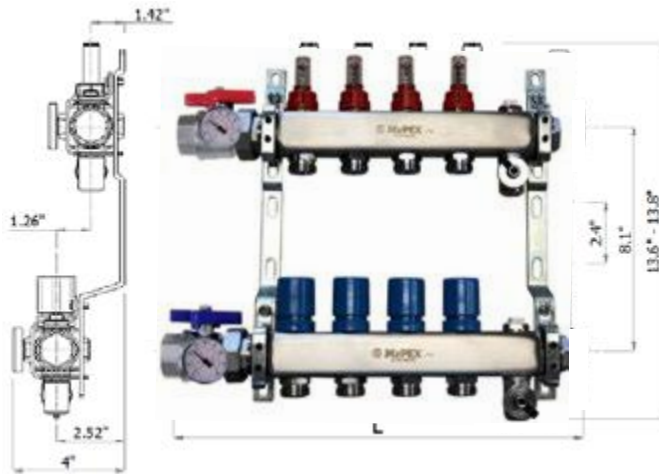
Thermolec also makes **Thermo-Air** and **Thermo-Zone** electric heaters. Use these to temper fresh air as it comes into a building or provide independent control to the end user on a specific duct run.

We can't stress enough how important primary-secondary piping is. It's the **only way to guarantee flow through the boiler**. You have enough headaches, don't give yourself another by trying to take a short-cut!



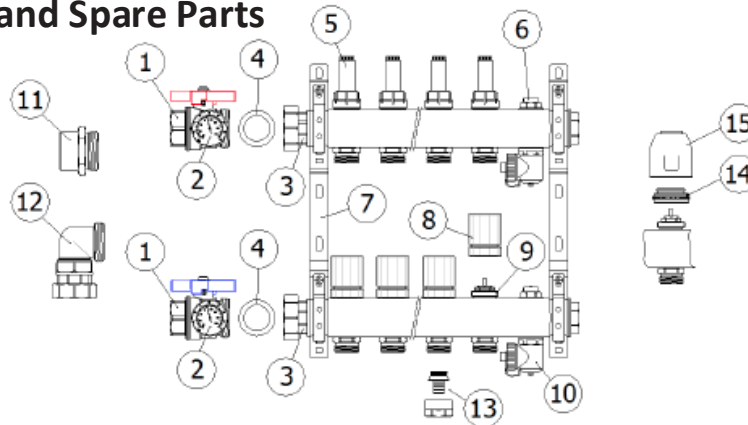
This is a primary-secondary piping example for 3 zones using zone pumps.

| LEGEND | | | | | | | |
|--------|-----------------------|--|---------------------------------|--|----------------|--|---------------|
| | 3-way mixing valve | | circulator w/ isolation flanges | | check valve | | thermostat |
| | central air separator | | isolation valve | | union | | system sensor |
| | auto air vent | | pressure reducing valve | | strainer | | zone load |
| | backflow preventor | | pressure relief valve | | zone valve | | drain valve |
| | pressure/temp guage | | pressure & temperature valve | | expansion tank | | |



| Part # | Type | Length L |
|---------|-----------|----------|
| 3250200 | 2 Branch | 10.6" |
| 3250300 | 3 Branch | 12.6" |
| 3250400 | 4 Branch | 14.6" |
| 3250500 | 5 Branch | 16.5" |
| 3250600 | 6 Branch | 18.5" |
| 3250700 | 7 Branch | 20.4" |
| 3250800 | 8 Branch | 22.4" |
| 3250900 | 9 Branch | 24.4" |
| 3251000 | 10 Branch | 26.3" |
| 3251100 | 11 Branch | 28.3" |
| 3251200 | 12 Branch | 30.3" |

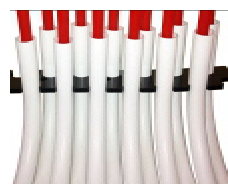
Accessories and Spare Parts



| Position | Part # | Description | Type | Unit |
|----------|---------|---|-------------------------------|-----------|
| 1 | 3250018 | Manifold Ball Valves, supply & return, straight, w/ thermometer, spare part | 1" NPT X G 1-1/4" Flat Gasket | Set of 2 |
| 2 | 3250001 | Thermometer, spare part | 32 °F to 175 °F | Each |
| 3 | 3250002 | 1" BSP Manifold Connection X G 1-1/4" Union Flat Gasket, spare part | | Set of 2 |
| 4 | 3761175 | Flat Gasket 1-1/4", spare part | Rubber EPDM 60 SH | Set of 10 |
| 5 | 3741172 | Flowmeter for manifold series 325xxxx and 332xxxx, spare part | 0 to 2 GPM | Each |
| 6 | 3740011 | Manual Air Vent, spare part | | Each |
| 7 | 3741171 | 1-1/4" Manifold Bracket for manifold series 325xxxx, spare part | | Set of 2 |
| 8 | 3741173 | Plastic Valve Cap, spare part | Threaded M30x1.5 - Blue | Each |
| 9 | 3741174 | On/Off Valve for manifold series, 325xxxx and 332xxxx, spare part | Threaded M30x1.5 | Each |
| 10 | 3740002 | Fill/Drain Valve for manifold series 325xxxx and 332xxxx, spare part | 3/4" GHT | Each |
| 11 | 3250010 | G 1-1/4" Flat Gasket X 1" Female NPT Straight Adaptor Kit | | Set of 2 |
| 12 | 3250007 | G 1 1/4 Flat Gasket X G 1 1/4 Flat Gasket Union Elbow Kit | | Set of 2 |
| 13 | *** | Compression pre-assembled fitting for "MrPEX PE-Xa Tubing" | For sizes 3/8" - 1/2" - 5/8" | Set of 2 |
| 14 | 5700010 | Plastic Adapter for actuator (Part # 5120700 & 5120701) | Threaded M30x1.5 - Type VA10 | Each |
| 15 | 5120700 | MrPEX actuator 24V AC 4-wire w/ End Switch | Quick connection | Each |
| 15 | 5120701 | MrPEX actuator 24V AC 2-wire | Quick connection | Each |



8110720



7153862 & 6210001

MrPEX® PEX-a TUBING W/ OXYGEN BARRIER

MrPEX® Barrier PEX tubing is Cross-Linked Polyethylene (PEX-a). It's rated at: 160 psi at 73.4°F; 100 psi at 180°F; 80 psi at 200°F. MrPEX® Barrier PEX tubing has an EVOH oxygen barrier. Tubing sizes 3/8" through 3/4" also has a thin coating of PE on top of the barrier in order to reduce noise when installed in joist applications and Aluminium heat transfer plates.

Mr. PEX Manifolds, Parts, and Tubing



| Part # | Description |
|---------|------------------------------|
| 3250200 | 2 Branch Stainless Manifold |
| 3250300 | 3 Branch Stainless Manifold |
| 3250400 | 4 Branch Stainless Manifold |
| 3250500 | 5 Branch Stainless Manifold |
| 3250600 | 6 Branch Stainless Manifold |
| 3250700 | 7 Branch Stainless Manifold |
| 3250800 | 8 Branch Stainless Manifold |
| 3250900 | 9 Branch Stainless Manifold |
| 3251000 | 10 Branch Stainless Manifold |
| 3251100 | 11 Branch Stainless Manifold |
| 3251200 | 12 Branch Stainless Manifold |

Item #s Listed Refer To Previous Page (312)

| | | |
|---------|--|----------|
| 3761175 | Flat Gasket Replacement | Item #4 |
| 3250010 | 1 1/4" Flat Gasket x 1" FNPT Adaptor | Item #11 |
| 3250007 | 1 1/4" Flat Gasket x 1 1/4" Gasket Union Elbow | Item #12 |
| 5700010 | Plastic adapter for Actuator | Item #14 |
| 5120700 | Actuator 24V 4 Wire (w/ end switch) | Item #15 |
| 5120701 | Actuator 24V 2 Wire | Item #15 |

| Part # | Description |
|----------|--|
| 4310500 | Package (10) EK20 x 1/2" PEX Compression Fitting |
| 4310625 | Package (10) EK20 x 5/8" PEX Compression Fitting |
| 2410500 | Package (10) EK20 x PAP 1/2" PEX Compression Fitting |
| FBSN2 | PEX Staples (200 pack) |
| 8110720 | Mr. PEX Heavy Duty COMPACT UnCoiler |
| 7153862 | Plastic Conduit Bend Supports (10 Pack) for 3/8" - 5/8" PEX |
| 6210001 | Bend Support Organizer, clamps 16 bend supports, keeps job looking clean |
| 1220030 | 1/2" PEX-A with Oxygen Barrier - 300' Roll |
| 1220100 | 1/2" PEX-A with Oxygen Barrier - 1,000' Roll |
| 1220120 | 1/2" PEX-A with Oxygen Barrier - 1,200' Roll |
| 1230050 | 5/8" PEX-A with Oxygen Barrier - 500' Roll |
| 1230100 | 5/8" PEX-A with Oxygen Barrier - 1,000' Roll |
| 1240030 | 3/4" PEX-A with Oxygen Barrier - 300' Roll |
| 1250030 | 1" PEX-A with Oxygen Barrier - 300' Roll |
| PAP4x300 | 1/2" PEX-AL-PEX - 300' Roll |

Benchmark Foam Thermo-Snap™



Features

- Cut labor costs with quick and easy PEX tube installation
- Panels hold PEX in place - no float or displacement during concrete pour

Features

- Predetermined tube placement ensures even spacing and heating
- Save time by using 6" or 12" centers to guide rebar placement

| Part # | Description | Compatible With | Dimensions |
|----------------|----------------------------------|-----------------|----------------|
| 16PSI1F125U200 | Foam Panels for PEX Installation | 1/2" PEX | 48" x 48" x 2" |
| 1F1.25B2.00 | | 5/8" PEX | 48" x 48" x 2" |



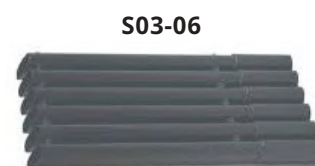
PEX Support



| Part # | Description |
|--------|-------------------------------|
| P01-06 | Premium Bend Support, 6-Loop |
| P01-12 | Premium Bend Support, 12-Loop |
| S03-06 | Straight Organizer, 6-Loop |
| S03-12 | Straight Organizer, 12-Loop |



P01-12



S03-06

Grundfos - 3 Speed - 115V Circulators

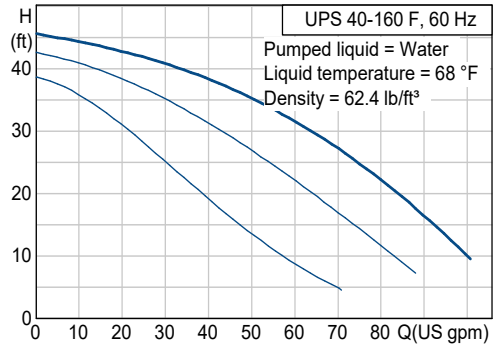
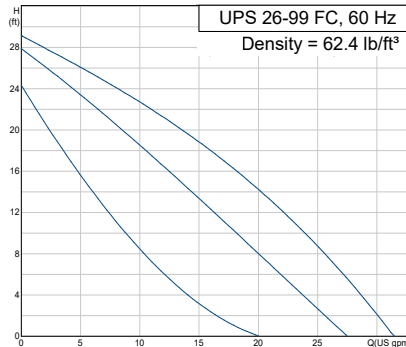
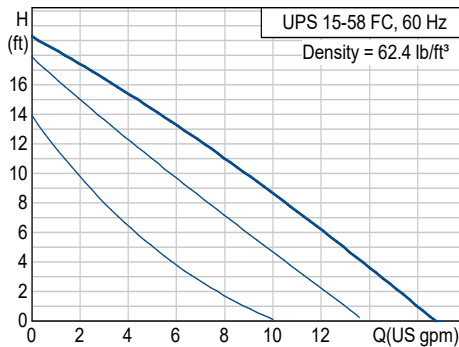


| Part # | Part # | HP | Flange To Flange | Uses Flanges |
|-------------|----------|------|------------------|--------------|
| UPS15-58FC | 59896341 | 1/25 | 6-1/2" | Standard |
| UPS26-99FC | 52722512 | 1/6 | 6-1/2" | Standard |
| UPS43-100F | 95906636 | 1/2 | 8-1/2" | 539605 |
| UPS40-80/2F | 96402762 | 3/4 | 13-1/2" | 539605 |
| UPS40-160F | 96402782 | 3/4 | 11-1/2" | 539605 |
| UPS50-80/2 | 96402834 | 3/4 | 11-1/2" | 96409354 |



UPS15-58FC

UPS40-80/2F



Resideo - 3 Speed - 115V Circulators

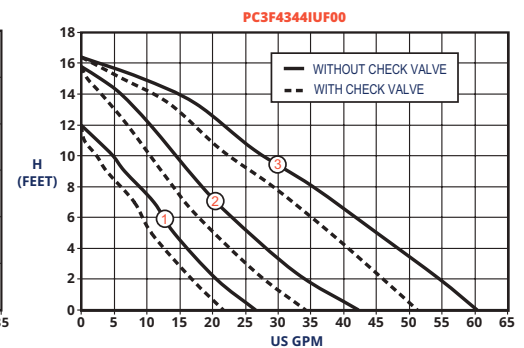
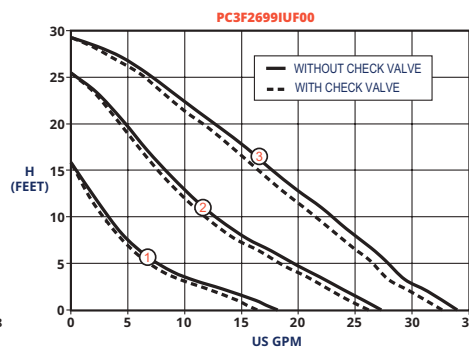
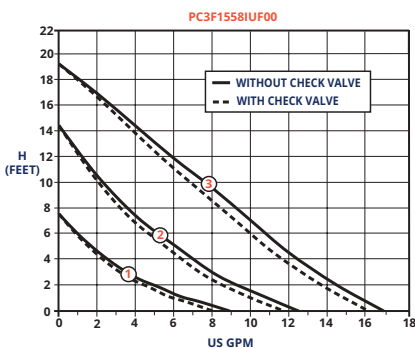
resideo

| Part # | HP | Flow (GPM) | Head | Flange To Flange | Uses Flanges |
|-----------------|------|------------|----------|------------------|--------------|
| PC3F1558IUF00/U | 1/25 | 0-15 | 0'-19.4' | 6-1/2" | Standard |
| PC3F2699IUF00/U | 1/6 | 0-34 | 0'-31' | 6-1/2" | Standard |
| PC3F4344IUF00/U | 1/2 | 0-59 | 0'-17' | 8-1/2" | 539605 |



PC3F1558IUF00/U

"Standard" Flanges and the Larger Flanges are listed on [Page 318](#)



ALPHA2 ECM 115 Circulator

Medium-Sized Energy Efficient Circulator

Features

- Reduces energy consumption up to 85%
- 360 (mNm) starting torque
- Magnetite resistant design to protect the pump from harmful iron oxide found in heating systems

Features

- 8 modes
 - (3) proportional pressure curves
 - (3) constant pressure curves
 - (1) proportional pressure AUTOADAPT
 - (1) constant pressure AUTODAPT

| Model # | Part # | Modes | Flanges |
|---------------|----------|-------|---------|
| ALPHA2 26-99F | 99490916 | 8 | 6-1/2" |



ALPHA2 26-99

MAGNA3™ Circulator - 230V

High Efficiency Variable Speed Commercial Pump

Features

- Easy plug-and-pump functionality
- Integrated frequency convert for maximum efficiency

Features

- Quiet operation
- Reduces energy consumption up to 85%
- TFT display for simple configuration

| Model # | Part # | Modes |
|---------------|----------|-------|
| MAGNA3 50-150 | 98126844 | 6 |



MAGNA3

RHI Pro Tip

The **MAGNA3** has been optimized for variable demand systems. For variable loads, it is most ideal to size and select the pump such that the maximum flow and pressure required is on the right hand side of the pump performance curve. This enables the pump to have higher efficiency at partial load and allows the pumps to slow down more at these partial loads yielding big energy savings.



This is one example - call for more info!

Domestic Circulators

Features

- Ideal for underfloor heating systems
- Compact design

Features

- Single-speed
- 2-year warranty on parts

| Model # | Part # | Pump Housing | HP | Uses Flanges: |
|----------------|----------|--------------|------|------------------|
| UPS15-29SF | 59896771 | Bronze | 1/25 | 3/4" Union Sweat |
| UPS15-35SFC | 59896772 | Stainless | 3/20 | Standard |
| UPS15-55SFC | 59896773 | Stainless | 1/12 | Standard |
| UP10-16PMB5/LC | 98420206 | Stainless | 3/4 | 1/2" Sweat |



UPS-15-55SFC

UP10-16PMB5/LC

RHI Advantage

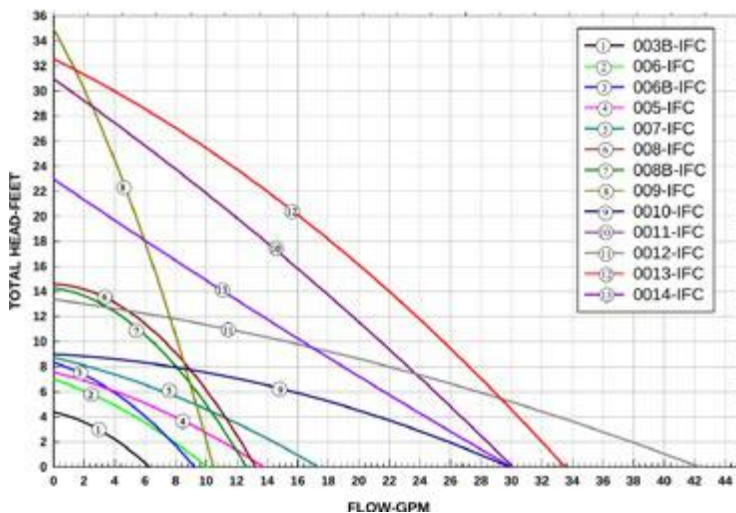
We have a wide selection of pumps for your domestic and recirculation needs. We can help you with a new project or help find a good replacement!

Taco 115V Circulators



| Model # | Priority Available | HP | Flange To Flange | Uses Flanges |
|-----------|-----------------------------------|------|------------------|--------------|
| 007-F7 | — | 1/25 | 6-3/8" | Standard |
| 007-ZF5-9 | ✓ | 1/25 | 6-3/8" | Standard |
| 007-042RP | Replacement Cartridge for the 007 | | | |
| 009-F5 | — | 1/8 | 6-3/8" | Standard |
| 0011-F4 | — | 1/8 | 6-1/2" | Standard |
| 0011Z-F4 | ✓ | 1/8 | 6-1/2" | Standard |
| 0012-F4 | — | 1/8 | 8-1/2" | Standard |


007-F7

0011-F4


"Standard" Flanges and the Larger Flanges are listed on [Page 318](#)

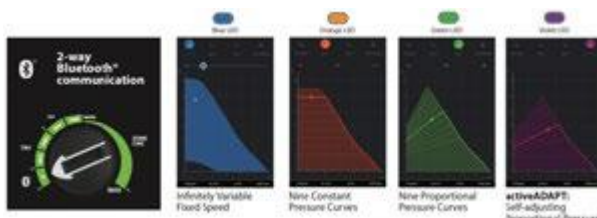
RHI Advantage

We have access to any Taco pump or replacement part you need. Let us know what Taco items you need!

Taco ECM 115V Circulators



| Model # | Operating Power | Flow (GPM) | Head | Flanges | | Speeds | Modes |
|-----------|-----------------|------------|------|---------|---|--------|-------|
| 007E-2F4 | 44W | 16 | 10' | 6-3/8" | — | 3 | — |
| 0015E3-F4 | 44W | 16 | 18' | 6-3/8" | — | 3 | — |
| 0018E-2F4 | 44W | 16 | 18' | 6-3/8" | ✓ | — | 4 |


0018E

0018E BLUETOOTH SETUP W/ TACO APP

RHI Pro Tip

Taco is leading the industry with ECM options. The **0018E with Bluetooth** is a very unique solution, you simply turn the dial to Bluetooth and get live feedback from the pump as well as change the settings from your phone.



B&G 115V Circulators

Bell & Gossett

| Model # | HP | Flange To Flange | Uses Flanges |
|---------|------|------------------|--------------|
| NRF-25 | 1/15 | 6-3/8" | Standard |
| NRF-36 | 1/6 | | |
| PL-30 | 1/12 | | |
| PL-36 | 1/6 | | |
| PL-55 | 2/5 | | |
| PL-50 | 1/6 | 8-1/2" | 539605 |
| PL-45 | 1/6 | | |



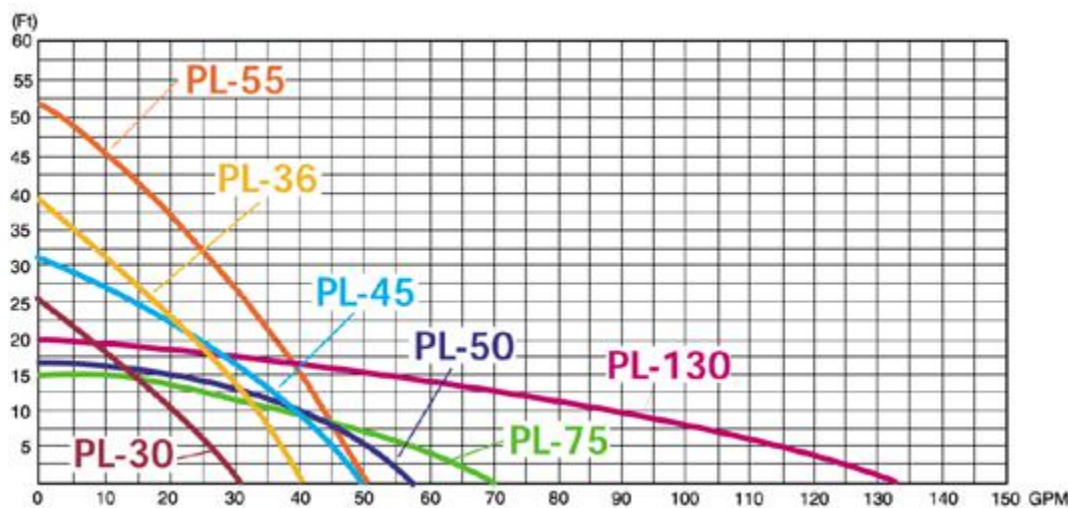
NRF-25



PL-45



PL-55



"Standard" Flanges and the Larger Flanges are listed on [Page 318](#)

Ecocirc® XL ECM Circulators

Bell & Gossett

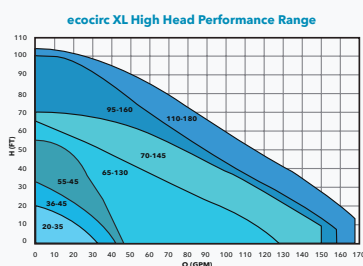
| Model # | HP | Flange To Flange | Uses Flanges |
|-------------------|------|------------------|--------------|
| ecocirc XL 20-35 | 1/12 | 6-3/8" | Standard |
| ecocirc XL 55-45 | 1/2 | 6-3/8" | Standard |
| ecocirc XL 65-130 | 1 | 11-1/2" | 539605 |



ECOCIRC - XL

RHI Pro Tip

We are quoting these pumps on job specs all the time!



The newly expanded **Ecocirc® XL** line, with single and three phase motor options, gives you a highly efficient circulator that enhances commercial hydronics systems with superior quality and dependability. **State-of-the-art hydraulics, advanced motor design, intelligent controls, and smart communication capabilities** highlight expert engineering across a broad range of HVAC and plumbing applications.

Standard Isolation Pump Flanges

 **Bell & Gossett**

| Part # | Size | W/ Check Valve |
|--------|--------------|----------------|
| 101221 | 3/4" NPT | — |
| 101222 | 1" NPT | — |
| 101223 | 1-1/4" NPT | — |
| 101226 | 3/4" Sweat | — |
| 101227 | 1" Sweat | — |
| 101228 | 1-1/4" Sweat | — |
| 101231 | 3/4" NPT | ✓ |
| 101232 | 1" NPT | ✓ |
| 101233 | 1-1/4" NPT | ✓ |
| 101236 | 3/4" Sweat | ✓ |
| 101237 | 1" Sweat | ✓ |
| 101238 | 1-1/4" Sweat | ✓ |


101221

101232
B&G Flanges are sold by the Pair!

Resideo Backflow Solutions

resideo

| Part # | Description |
|-------------|--|
| NK300S100 | 1/2" Pressure Reducing Valve & Backflow Preventer - Non ASME |
| NK300S100UP | 1/2" Pressure Reducing Valve & Backflow Preventer with ProPress Connections |
| BP900 | 1/2" Backflow Preventer - Replaces a Watts 9D |


NK300S100UP

BP900

SuperVent® Air Eliminators

resideo

| Part # | Connection |
|-------------|----------------------------|
| PV075(S)(P) | 3/4" NPT (Sweat) (Press) |
| PV100(S)(P) | 1" NPT (Sweat) (Press) |
| PV125(S)(P) | 1-1/4" NPT (Sweat) (Press) |


PV075

PV100P

Cal-Pro In-line Hydronic Radiant Tanks



Features

- Designed for low temperature radiant floor systems
- Suitable for use with glycol

Features

- All radiant tanks have a polypropylene liner to prevent corrosion due to oxygen entering the system

| Part # | Volume (gal) | Connection Size | Dimensions (L x W x H) | Acceptance Volume (gal) |
|---------|--------------|-----------------|------------------------|-------------------------|
| ZHT-R15 | 2.1 | 1/2" MPT | 7.9" x 7.9" x 11" | 1.4 |
| ZHT-R30 | 4.8 | 1/2" MPT | 10.6" x 10.6" x 13.7" | 3.3 |


ZHT-R15

Cryo-Tek Anti-Freeze

HERCULES

| Part # | Description | Size |
|--------|--|-----------|
| 35-281 | Cryo-Tek Anti-Freeze | 1 gal. |
| 35-284 | Cryo-Tek Anti-Freeze | 5 gal. |
| 35-286 | Cryo-Tek Anti-Freeze | 30 gal. |
| 35-283 | Cryo-Tek AL Anti-Freeze - Aluminium Safe | 5 gal. |
| 35-271 | Cryo-Tek Test Strips | 10 strips |
| 35-297 | Sludgehammer Corrosion Inhibitor | 32 oz. |
| 30-213 | Base Hit II (Sealant and Lubricant Combined) | 12 oz. |



35-271

30-213

35-284

| % Concentration of Cryo-Tek 100 | MIXING RATIO | | PROTECTIONS | | |
|---------------------------------|-----------------------|----------------|---------------------------|--------------------|--------------------------|
| | Parts of Cryo-Tek 100 | Parts of Water | Freeze Protection Down to | Pumpable * Down to | Burst Protection Down to |
| 100% | Undiluted | - | - 70°F / -57°C | -80°F / -62°C | -100°F / -73°C |
| 75% | 3 | 1 | -21°F / -30°C | -33°F / -36°C | -60°F / -51°C |
| 60% | 3 | 2 | 0°F / -18°C | -10°F / -23°C | -40°F / -40°C |
| 50% | 1 | 1 | +10°F / -12°C | +5°F / -15°C | -20°F / -29°C |

*Pumpable down to protection levels are estimated and are dependent on system and equipment. Attempting to circulate fluid below freeze point may overload and/or cause pump failure

Nu-Calgon Anti-Freeze

Nu-Calgon

| Part # | Description | Size |
|---------|-----------------------------|---------|
| 4189-07 | Freez-Therm Ethylene Glycol | 1 gal. |
| 4189-05 | Freez-Therm Ethylene Glycol | 5 gal. |
| 4189-01 | Freez-Therm Ethylene Glycol | 55 gal. |

Freez-Therm is an accepted replacement for Dow Therm SR-1

| | | |
|---------|---------------------------------|--------|
| 4188-07 | Freeze-Kontr'l Propylene Glycol | 1 gal. |
| 4188-05 | Freeze-Kontr'l Propylene Glycol | 5 gal. |

Freeze-Kontr'l is an accepted replacement for Dowfrost HD



4189-07

4188-07

Dilution Chart

| Percent Volume of Freez-Therm | Freeze Protection | Burst Protection |
|-------------------------------|-------------------|------------------|
| 60% | -55°F | -60°F |
| 50% | -30°F | -60°F |
| 40% | -10°F | -60°F |
| 30% | +5°F | -16°F |
| 20% | +17°F | +5°F |
| 10% | +25°F | +22°F |
| 5% | +29°F | +29°F |

Dilution Chart • Freeze-Kontr'l

| Percent Volume of Freeze-Kontr'l | Freeze Protection | Burst Protection |
|----------------------------------|-------------------|------------------|
| 100% | Below -60°F | -100°F |
| 90% | Below -60°F | -87°F |
| 80% | -58°F | -74°F |
| 70% | -35°F | -61°F |
| 60% | -18°F | -48°F |
| 50% | +3°F | -35°F |
| 40% | +8°F | -20°F |
| 30% | +16°F | +5°F |

Refractometer

ROBINAIR

| Part # | Description |
|--------|---|
| 75240 | Glycol Refractometer - measures the freezing point of either propylene or ethylene glycol based cooling systems. It can also be used for checking the strength of electrolyte solution batteries. |



Glycol - Anti-Freeze Protector

Protects Heating and Chilled Water Systems Down to -30°F

Features

- Prevents frost damage and avoids the need for winter drain down
- Maintains efficiency levels and extends system life

Features

- Prevents lime scale build-up & corrosion in mixed metal systems
- **Available in Premixed - Many concentrations available!**

| Part # | Description |
|------------|---|
| X500 | Sentinel X500 Propylene Glycol with Inhibitors |
| X500 (30%) | Sentinel 30% "Premixed" Propylene - The Ultimate Glycol Solution!! Takes the guesswork out of mixing, saves time and money! |



SENTINEL

| x500% | 20% | 25% | 30% | 35% | 40% | 50% |
|---------------------|-------|-------|-------|------|-------|--------|
| Freezing Point (°F) | 22 °F | 17 °F | 11 °F | 5 °F | -2 °F | -20 °F |

How many gallons do I need for the floor?

Use the chart to the right to determine how much water is in your next floor job.
Example: 300' of 1/2" = 2.76 gal (3 x 0.92)



Water Capacity per 100' of PEX

| | 3/8 | 1/2 | 5/8 | 3/4 |
|------------------|-----|------|------|------|
| GALLONS / 100 FT | 0.5 | 0.92 | 1.34 | 1.84 |

Alphi-11 Propylene Glycol Anti-Freeze Protector

Combined Glycol Antifreeze and Inhibitor

Features

- Prevents frost damage and avoids the need for winter drain down
- Protects heatings and chilled water systems down to -30 °F

Features

- Prevents lime scale build-up & corrosion in mixed metal systems
- Dose rate is dependent on antifreeze levels required

| Part # | Description | Size |
|-----------------------|---|---------|
| F-155738-005 | 97% Fernox Propylene Glycol with 3% F1 Protector Built-in | 5 gal. |
| F-174819-005 (Premix) | 30% Fernox Alphi-11 Premixed at the Factory | 5 gal. |
| F-155738-055 | 97% Fernox Propylene Glycol with 3% F1 Protector Built-in | 55 gal. |
| F-174819-055 (Premix) | 30% Fernox Alphi-11 Premixed at the Factory | 55 gal. |



FERNOX
MAKES WATER WORK

| Alphi-11% | 25% | 30% | 35% | 40% | 45% | 50% |
|---------------------|---------|--------|--------|---------|----------|----------|
| Freezing Point (°F) | 12.2 °F | 5 °F | 0.4 °F | -7.6 °F | -16.6 °F | -29.2 °F |
| Burst Point (°F) | 0 °F | -20 °F | -40 °F | -60 °F | -70 °F | -80 °F |

Complete Baseboards



| Model # | Description | Length |
|-----------|---------------------------------|--------|
| HE2-2075W | 2 Pipe - High Efficiency Design | 2" |
| HE2-3075W | | 3" |
| HE2-4075W | | 4" |
| HE2-5075W | | 5" |
| HE2-6075W | | 6" |
| HE2-7075W | | 7" |
| HE2-8075W | | 8" |



RHI Pro Tip

Heating Edge 2 Pipe Baseboard is the **perfect way to save some energy or space!** It's capable of over 400 BTUs per foot at 120F. This means that lower temps to the baseboard still allow for great heat output. Also, if you are able to use 180F supply, you can use **half the length of traditional baseboard** - because you get twice the output!

That's a huge difference!

Heating Edge is perfect for use with the following low temperature heat generators:



Heating Edge Baseboard Accessories

| Part # | Accessory Fittings | Size |
|----------|--|------|
| HE-AC6WR | End Cap ~ Right Hand White (eggshell) | 6" |
| HE-AC6WL | End Cap ~ Left Hand White (eggshell) | 6" |
| HE-2SW | Splicer | 2" |
| HE-3SW | Splicer | 3" |
| HE-4SW | Splicer | 4" |
| HE-6SW | Splicer | 6" |
| HE-OC90W | Outside Corner ~ 90 Deg White (eggshell) | — |
| HE-IC90W | Inside Corner ~ 90 Deg White (eggshell) | — |

ACCESSORIES



IC90W
90° Inside Corner



SW
Splicer
2", 3", 4", 6"



OC135W
135° Outside Corner



EC6W
6" End Cap
(left or right)



OC90W
90° Outside Corner



EC12W
12" End Cap
(left or right)



SPECIFICATIONS

| Heating Edge™ Hot Water Performance Ratings | | Flow Rate GPM | PD in ft of H ₂ O | Average Water Temperature (BTU/hr/ft @ AWT in °F) | | | | | | | | | | | | | | | | |
|--|-----------------------------|---------------|------------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | 90° F | 100° F | 110° F | 120° F | 130° F | 140° F | 150° F | 160° F | 170° F | 180° F | 190° F | 200° F | 210° F | | | | |
| | ◇ TWO SUPPLIES PARALLEL | 1 ◇ | 0.0044 | 130 | 205 | 290 | 385 | 460 | 546 | 637 | 718 | 813 | 911 | 1009 | 1113 | 1215 | | | | |
| | | 4 | 0.0481 | 134 | 224* | 314* | 412* | 516* | 626* | 741* | 862* | 976* | 1115* | 1249* | 1386* | 1526 | | | | |
| | TOP SUPPLY BOTTOM RETURN | 1 | 0.0088 | 101 | 165* | 226* | 289* | 356* | 426* | 498* | 572* | 647* | 725* | 805* | 885* | 970 | | | | |
| | | 4 | 0.0962 | 142 | 201* | 271* | 341* | 415* | 492* | 569* | 648* | 728* | 811* | 894* | 979* | 1064 | | | | |
| | BOTTOM SUPPLY TOP RETURN | 1 | 0.0088 | 99 | 162 | 221 | 283 | 349 | 418 | 488 | 561 | 634 | 710 | 788 | 867 | 957 | | | | |
| | | 4 | 0.0962 | 135 | 195 | 259 | 305 | 380 | 464 | 552 | 634 | 710 | 793 | 874 | 959 | 1039 | | | | |
| | BOTTOM SUPPLY NO RETURN | 1 | 0.0044 | 75 | 127 | 169 | 208 | 260 | 311 | 362 | 408 | 470 | 524 | 576 | 629 | 685 | | | | |
| | | 4 | 0.0481 | 85 | 140 | 203 | 265 | 334 | 410 | 472 | 536 | 599 | 662 | 723 | 788 | 850 | | | | |

HD Heater (Hot Dawg) - Low Profile - Power Vented

| Model | BTU Input | Tall | Wide | Deep | Wt (lbs) | Vent |
|--------|-----------|---------|---------|---------|----------|------|
| HD30A | 30,000 | 12 1/4" | 26 7/8" | 16 1/2" | 55 | 3" |
| HD45A | 45,000 | 12 1/4" | 26 7/8" | 16 1/2" | 60 | 3" |
| HD60A | 60,000 | 18" | 26 7/8" | 16 1/2" | 80 | 3" |
| HD75A | 75,000 | 18" | 26 7/8" | 16 1/2" | 85 | 3" |
| HD100A | 100,000 | 20 1/2" | 35 1/2" | 22" | 125 | 4" |
| HD125A | 125,000 | 20 1/2" | 35 1/2" | 22" | 125 | 4" |



HD30AS0111

Natural or Propane Ready (No Kits!), Power Vented, Aluminized Heat Exchanger.
 Optional: Stainless Steel, Separated Combustion, Blower Units

PTP Heaters - Stainless Steel Heat Exchanger

| Model | BTU Input | Tall | Wide | Deep | Wt (lbs) | Vent |
|--------|-----------|---------|---------|---------|----------|------|
| PTP150 | 150,000 | 23 | 35 1/2" | 31 3/4" | 165 | 4" |
| PTP175 | 175,000 | 25 3/4" | 42 1/2" | 32 3/4" | 210 | 4" |
| PTP200 | 200,000 | 25 3/4" | 42 1/2" | 34 1/2" | 220 | 4" |
| PTP250 | 250,000 | 31 1/4" | 42 1/2" | 33 3/4" | 265 | 6" |
| PTP300 | 300,000 | 31 1/4" | 42 1/2" | 33 3/4" | 270 | 6" |
| PTP350 | 350,000 | 39 1/2" | 42 1/2" | 34 3/4" | 310 | 6" |
| PTP400 | 400,000 | 39 1/2" | 42 1/2" | 34 3/4" | 320 | 6" |



PTP150SS0111

Natural or Propane Ready (No Kits!), Power Vented, Stainless Steel Heat Exchanger. Need Separated Combustion? Check out the "PTS" units on the next page (323)!

PTC Heaters - 93% High Efficiency - PVC Vented

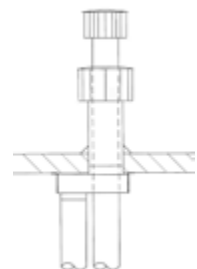
| Model # | BTU Input | Tall | Wide | Deep | Wt (lbs) | Vent |
|---------|-----------|---------|---------|---------|----------|---------|
| PTC55A | 55,000 | 18-1/4" | 29-7/8" | 28-1/4" | 93 | 3" |
| PTC65A | 65,000 | 18-1/4" | 29-7/8" | 28-1/4" | 103 | 3" |
| PTC85A | 85,000 | 20-3/8" | 35-1/2" | 30-3/4" | 125 | 3" |
| PTC110A | 110,000 | 20-3/8" | 35-1/2" | 34-1/4" | 128 | 3" |
| PTC135A | 135,000 | 23" | 35-1/2" | 33-7/8" | 165 | 3" |
| PTC156A | 156,000 | 23" | 35-1/2" | 33-7/8" | 165 | 4" |
| PTC180A | 180,000 | 25-7/8" | 42-1/2" | 33-7/8" | 215 | 4" |
| PTC215A | 215,000 | 31-3/8" | 42-1/2" | 33-7/8" | 265 | 4" |
| PTC260A | 260,000 | 31-3/8" | 42-1/2" | 34-7/8" | 265 | 4" |
| PTC310A | 310,000 | 3-5/8" | 39-1/2" | 34-7/8" | 310 | 6" / 4" |



PTC110A

| Concentric Vent Kits: | | BTU | Sizes |
|-----------------------|-------|-----------|---------|
| Vertical | 57919 | 55 - 135 | 3" x 3" |
| | 57920 | 156 - 260 | 4" x 4" |
| | 57924 | 310 | 4" x 6" |
| Horizontal | 57913 | 55 - 135 | 3" x 3" |
| | 57914 | 156 - 260 | 4" x 4" |
| | 57918 | 310 | 4" x 6" |

Natural or Propane Ready (No Kits!), Power Vented, Aluminized Heat Exchanger. Optional: Stainless Steel, Separated Combustion, Blower Units



57920

PTX Heaters - Separated Combustion



| Model # | BTU Input | BTU Output | Tall | Wide | Deep | Wt (lbs) | VENT |
|-----------------------|-----------|------------|---------|---------|--------|----------|------|
| PTX150 | 150,000 | 123,000 | 23" | 35-1/2" | 22" | 165 | 4" |
| PTX175 | 175,000 | 143,500 | 25-3/4" | 42-1/2" | 22" | 210 | 4" |
| PTX200 | 200,000 | 164,000 | 25-3/4" | 42-1/2" | 22" | 215 | 4" |
| PTX250 | 250,000 | 205,000 | 31-3/8" | 42-1/2" | 22" | 265 | 6" |
| PTX300 | 300,000 | 246,000 | 31-3/8" | 42-1/2" | 22" | 270 | 6" |
| PTX350 | 350,000 | 287,000 | 39-1/2" | 42-1/2" | 22" | 310 | 6" |
| PTX400 | 400,000 | 328,000 | 39-1/2" | 42-1/2" | 22" | 320 | 6" |
| Concentric Vent Kits: | | | | | Size | | |
| Vertical | | | | 33356 | 4" Kit | | |
| | | | | 33357 | 6" Kit | | |
| Horizontal | | | | 32161 | 4" Kit | | |
| | | | | 32162 | 6" Kit | | |


PTX150AS0111

32161
33356

PDP Heaters - Power Vented Propeller



| Model # | BTU Input | BTU Output | Tall | WIDE | Deep | Wt (lbs) | Vent |
|---------|-----------|------------|---------|---------|------|----------|------|
| PDP150A | 150,000 | 124,500 | 35-1/4" | 21" | 22" | 168 | 5" |
| PDP175A | 175,000 | 145,250 | 35-1/4" | 23-1/2" | 22" | 175 | 5" |
| PDP200A | 200,000 | 166,000 | 40-1/4" | 25-5/8" | 25" | 239 | 5" |
| PDP250A | 250,000 | 207,500 | 40-1/4" | 25-5/8" | 25" | 239 | 6" |
| PDP300A | 300,000 | 249,000 | 40-1/4" | 28-5/8" | 25" | 269 | 6" |
| PDP350A | 350,000 | 290,500 | 40-1/4" | 33-5/8" | 25" | 338 | 6" |
| PDP400A | 400,000 | 332,000 | 40-1/4" | 40" | 25" | 418 | 6" |

Natural or Propane Ready (No Kits!), Power Vented, Aluminized Heat Exchanger. Optional: Stainless Steel, Separated Combustion, Blower Units


PDP150AS0111

HS Heaters - Hot Water & Steam - Horizontal



| Model # | Hot Water BTU output | Steam BTU output | Tall | Wide | Deep | Wt (lbs) | GPM |
|---------|----------------------|------------------|---------|---------|--------|----------|-----|
| HSB18 | 12,400 | 18,000 | 12-1/2" | 13" | 6" | 16 | 1.3 |
| HSB24 | 16,600 | 24,000 | 12-1/2" | 13" | 6" | 20 | 1.7 |
| HSB33 | 21,600 | 33,000 | 17-1/2" | 17-1/2" | 8-3/4" | 34 | 2.2 |
| HSB47 | 30,800 | 47,000 | 17-1/2" | 17-1/2" | 8-3/4" | 36 | 3.2 |
| HSB63 | 44,800 | 63,000 | 22" | 22" | 8-3/4" | 48 | 4.6 |
| HSB86 | 62,600 | 86,000 | 22" | 22" | 8-3/4" | 52 | 6.5 |
| HSB108 | 81,000 | 108,000 | 27-1/4" | 27-1/4" | 9-1/2" | 74 | 8.4 |

Hydronic Heating Coil with fan. Let us know what you need: Pipe size, BTU requirements, water temp, space temp - we can help you size it!!


HSB63

Unit Heater Mounts



| Model # | For Use With QSWI3000 | For Use With QSWI4000 |
|---------|-----------------------|-----------------------|
| HD30 | ✓ | — |
| HD45 | ✓ | — |
| HD60 | ✓ | — |
| HD75 | ✓ | — |
| HD100 | ✓ | — |
| HD125 | ✓ | — |
| PDP150 | ✓ | — |
| PDP175 | ✓ | — |
| PTC55 | ✓ | — |
| PTC65 | ✓ | — |
| PTC85 | ✓ | — |
| PTC110 | ✓ | — |
| PTC135 | ✓ | — |
| PTC156 | ✓ | — |
| PTS150 | ✓ | — |
| PTS175 | ✓ | — |
| HSB33 | — | ✓ |
| HSB47 | — | ✓ |
| HSB63 | — | ✓ |
| HSB86 | — | ✓ |
| HSB108 | — | ✓ |
| HSB121 | — | ✓ |
| HSB165 | — | ✓ |
| HSB193 | — | ✓ |
| HSB258 | — | ✓ |
| HSB290 | — | ✓ |
| HSB340 | — | ✓ |



QSWI3000



QSWI4000



PTC135

Mounts for Unit Heaters



| Product # | Description |
|-----------|---|
| QSWI3000 | QuickSling Swivel Flush Mount Kit Fits ALL 'HD' Hot Dawg Unit Heaters and PTS150,175 |
| QSWI4000 | QuickSling Swivel Flush Mount Kit HSB33-340, HER50-250 |
| UH24-UNV | Supreme Unit Heater Hanger - same units as QSWI3000 |
| M-Angle | Supreme Modine adapter for use with HD100 and HD125 units. |



**UH24-UNV +
M-ANGLE**



UH24-UNV

"B" Vent

duravent



| Part # | |
|--------|------------------------|
| 3BV24 | 3" B Vent Length 24" |
| 3BV36 | 3" B Vent Length 36" |
| 3BVL90 | 3" B Vent Elbow |
| 3BVWT | 3" B Vent Wall Thimble |
| 3BVVTH | 3" High Wind Cap |
| 4BV24 | 4" B Vent Length 24" |
| 4BV36 | 4" B Vent Length 36" |
| 4BVL90 | 4" B Vent Elbow |
| 4BVWT | 4" B Vent Wall Thimble |
| 4BVVTH | 4" High Wind Cap |

Aluminum Chimney Liner Kits

duravent



| Part # | Inner Diameter | Flex Length |
|----------|----------------|-------------|
| 3DFA-25K | 3" | 25' |
| 3DFA-35K | | 35' |
| 4DFA-25K | 4" | 25' |
| 4DFA-35K | | 35' |
| 5DFA-25K | 5" | 25' |
| 5DFA-35K | | 35' |

| Part # | Description | Length | Inner Diameter |
|-----------|---|-----------------------|----------------|
| FSVL2403 | Stainless Vent | 24" | 3" |
| FSVL3603 | Stainless Vent | 36" | |
| FSAVL3 | Adjustable Length Stainless Vent | 2" - 14" (Adjustable) | |
| FSELB9003 | Stainless 90 Elbow | — | |
| FSELB4503 | Stainless 45 Elbow | | |
| FSAWB03 | Adjustable Wall Bracket | | |
| FSWMKB3 | Wall Mount Termination Kit | | |
| FSCMK3 | Ceiling-Mounted Unit Heater Termination Kit | | |
| FSHDT3 | Horizontal Drip Tee | | |
| FSAAU3 | Appliance Adapter (Used with Modine) | | |
| FSA-HFB3 | Burnham/ New Yorker Adapter | | |

| Part # | Description | Length | Inner Diameter |
|-----------|---|-----------------------|----------------|
| FSVL2404 | Stainless Vent Length | 24" | 4" |
| FSVL3604 | Stainless Vent Length | 36" | |
| FSAVL4 | Adjustable Length Stainless Vent | 2" - 14" (Adjustable) | |
| FSELB9004 | Stainless 90 Elbow | — | |
| FSELB4504 | Stainless 45 Elbow | | |
| FSAWB04 | Adjustable Wall Bracket | | |
| FSWMK4 | Wall Mount Termination Kit | | |
| FSCMK4 | Ceiling-Mounted Unit Heater Termination Kit | | |
| FSHDT4 | Horizontal Drip Tee | | |
| FSAAU4 | Appliance Adapter (Used with Modine) | | |

Infrared Low Intensity Tube Heater Burners



| Model # | BTU | Tube Lengths | Wt (lbs) | Vent |
|--|---|--------------|----------|------|
| IPT050S | 50,000 | 20, 30 | 43 | 4" |
| IPT060S | 60,000 | 20, 30, 40 | | |
| IPT075S | 75,000 | 20, 30, (40) | | |
| IPT100S | 100,000 | 30, 40, (50) | | |
| IPT125S | 125,000 | 40, 50 | | |
| IPT150S | 150,000 | 50, 60 | | |
| IPT175S | 175,000 | 50, 60, 70 | | |
| IPT200S | 200,000 | 50, 60, 70 | | |
| 40867 | 4" Intake Collar For Outside Combustion Air | | | |
| 2 STAGE | Want a 2 stage? Tell us when you order and we'll make it happen | | | |
| () = Natural gas only, not for use with propane | | | | |

RHI Advantage

We can have your Infrared Tube Heat job drawn out by the experts at Modine. This will make sure you have good coverage and takes all the guessing out of it! Get us your job info, we'll take it from there!



IPT125S

Stocking Tube Kits Selection

| Tube | Input MBH | Required Tube Kits |
|------|------------------|--------------------|
| 20' | 50, 60, 75 | A |
| 30' | 50, 60, 75, 100 | E |
| 40' | 60, 75, 100, 125 | A + D |
| 50' | 100, 125 | E + D |
| | 150, 175, 200 | B + C |
| 60' | 125 | A + D + D |
| | 150, 175, 200 | B + D |
| 70' | 175, 200 | B + E |

Tube Kits

| Part # | Kit | Length | Wt (lbs) |
|--------|----------|-----------------|----------|
| 40835 | A | 20' | 78 |
| 40836 | B | 40' | 146 |
| 40837 | C | 10' | 34 |
| 40838 | D | 20' | 68 |
| 45687 | E | 30' | 112 |
| 32452 | U-Tube | U-Tube | 10 |
| 32482 | 90 Elbow | 90 w/ Reflector | 10 |

High Intensity Infrared Heaters



| Model # | BTU | H x L x W | Wt (lbs) |
|---------|--------|-----------------------------|----------|
| IHR30 | 30,000 | 14-1/4" x 12-3/4" x 22-1/2" | 44 |
| IHR60 | 60,000 | 15-1/4" x 19-1/8" x 22-1/2" | 60 |
| IHR90 | 90,000 | 15-1/4" x 26-5/8" x 22-1/2" | 81 |

- 1 Stage, Natural Gas, 24 Volt Direct Spark Ignition
- Other configurations available - Call today!



IHR30

Universal Fireplace Solutions

Robertshaw

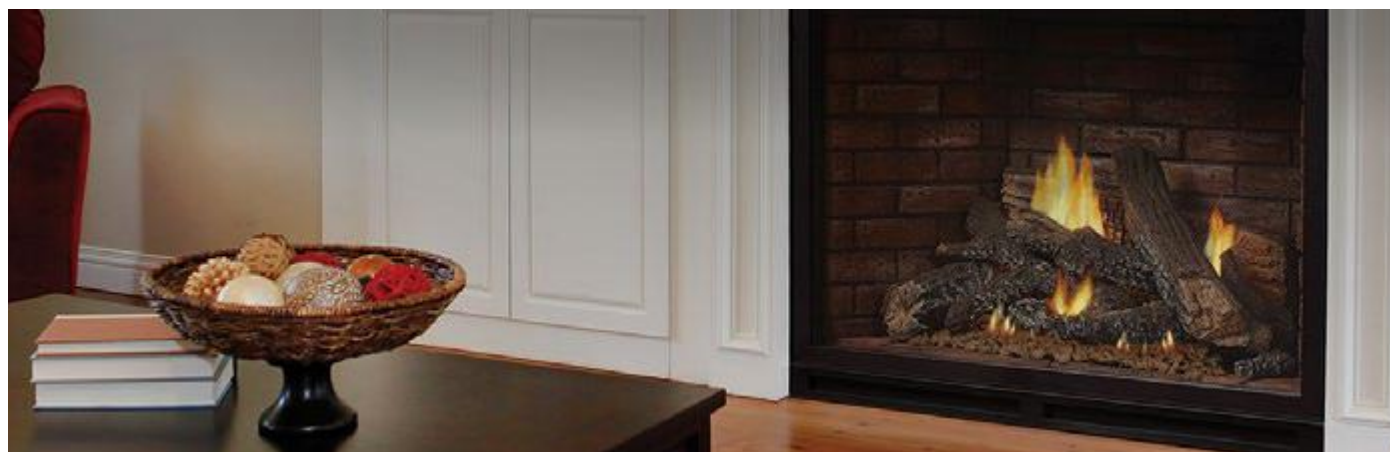
| Part # | Description |
|-----------|--|
| 1001-A | Remote Control - On/Off |
| 3301 | Remote Control Digital On/Off w/ Temp |
| 5301P | Remote Control - Programmable Digital Kit |
| FK165RT | Magnetic Blower Kit with Fan Switch and Rheostat 12-3/4" L x 4" H x 3.5" Diameter |
| FK180RT | Magnetic Blower Kit with Fan Switch and Rheostat 12-3/4" L x 4-3/8" H x 4.25" Diameter |
| ESTOP1-OH | Mechanical Gas Timer - 1 Hr, 1/2" NPT |
| 1960-027 | Low Mass Thermocouple |



Empire Fireplace / Heater Parts

EMPIRE
Heating Systems

| Part # | Description |
|----------------|--|
| R1156 | Empire Fan Switch, 165 °F |
| R2246 | Empire Fan Control, 4 Wire, 135 °F |
| R5599 | Empire SIT Valve, Propane |
| R619 | Empire Low Profile Blower Motor |
| R7611 R7612 | Empire LP (R7611) or Natural (R7612) Pilot Assembly for SIT valves, with powerpile and low mass thermocouple |
| R9823 | Empire Low Mass Thermocouple for DVD Series |
| FANSWITCH | Magnetic Fan Switch, Closes at 120F - Opens at 90 °F |



Tahoe - Direct Vent Fireplace



| Part # | Description |
|------------|---|
| DVD36FP31N | The TAHOE Direct Vent Deluxe 36 Millivolt with On/Off switch, includes Blower |
| DVD36FP71N | The TAHOE Direct Vent Deluxe 36 Intermittent Pilot, includes Blower |
| 18442 | Propane Conversion Kit |
| DVFB36SBL | Barrier Screen, required for new installations |
| FRBC | Remote Control (On/Off) |
| FRBTC2 | Remote Control (Thermostat & On/Off) |
| DVP2SA | Aged Brick Liner (Other options available) |
| DVG2ABL | Black Arch Louvers (Other options available) |

| Framing Dimensions | | | |
|--------------------|---------|---------|---------|
| Model # | Height | Width | Depth |
| DVD36FP | 35 3/4" | 37 3/8" | 16 3/8" |



**DVD36FP31N
w/ Black Arch Louvers
and Aged Brick Liner**

Venting Kits

| Model # | Description | Includes |
|---------|---|---|
| DVVK4F | Flexible Horizontal Vent Kit | Cap, Wall Thimble, Collars, Gear Clamps, Vinyl Shield & 4' of Flex Pipe |
| DVVK4RP | Standard Rear Vent Kit 5" to 7" Walls | 6" Vent Pipe, Cap and Firestop |
| DVVK4FV | Vertical Venting Kit | Cap, Firestop/Thimble, Flashing, Storm Collar, Gear Clamps, 6' of FlexVent, & 10' total of Rigid Pipe |
| DVEK25 | Flexible Vertical Vent Kit *For Use with DVVK4FV* | 25' of Flex Vent, Gear Clamps |



FRBTC



FRBC



LINERS



LOUVERS

Vent Pipe & Accessories

| Part # | Inner Pipe | Outer Pipe | Length | Description |
|------------|------------|------------|-----------|--|
| 46DVA-12 | 4" | 6-5/8" | 12" | Vent Pipe |
| 46DVA-24 | 4" | 6-5/8" | 24" | Vent Pipe |
| 46DVA-36 | 4" | 6-5/8" | 36" | Vent Pipe |
| 46DVA-48 | 4" | 6-5/8" | 48" | Vent Pipe |
| 46DVA-17TA | 4" | 6-5/8" | 11 to 17" | Adjustable Vent Pipe |
| 46DVA-24TA | 4" | 6-5/8" | 17 to 24" | Adjustable Vent Pipe |
| 46DVA-E45 | 4" | 6-5/8" | — | 45° Elbow |
| 46DVA-E90 | 4" | 6-5/8" | — | 90° Elbow |
| 46DVA-ES | 4" | 6-5/8" | — | Elbow Strap |
| 46DVA-WFS | 4" | 6-5/8" | — | Wall FireStop |
| 46DVA-VC | 4" | 6-5/8" | — | Vertical Low Profile Termination |
| 46DVA-HC | 4" | 6-5/8" | — | Horizontal Termination Cap |
| 46DVA-F6 | 4" | 6-5/8" | — | Roof Flashing - For Pitches Of 0/12 - 6/12 |
| 46DVA-SC | 4" | 6-5/8" | — | Storm Collar |
| 46DVA-VSS | 4" | 6-5/8" | — | Vinyl Siding Standoff |

Want to see all the options or show your customer? Tahoe Fireplace brochures are available at RHI



Direct-Vent Wall Furnaces



| Model | BTU-Input | Type | Gas | W x D x H | Vent-Wall Opening |
|-------------|---|-----------|-----|----------------------------|-------------------|
| DV210SGXNAT | 10,000 | Millivolt | Nat | 16-1/4" x 9-3/8" x 21-3/8" | 6-1/2" |
| DV210SGXLP | | | LP | | |
| DV215SGXNAT | 15,000 | Millivolt | Nat | 20-1/4" x 9-3/8" x 24-7/8" | 6-1/2" |
| DV215SGXLP | | | LP | | |
| DV25SGNAT | 25,000 | Millivolt | Nat | 37" x 11-1/2" x 27-3/4" | 6-1/2" |
| DV25SGLP | | | LP | | |
| DV35SGNAT | 35,000 | Millivolt | Nat | 37" x 11-1/2" x 27-3/4" | 6-1/2" |
| DV35SGLP | | | LP | | |
| DVB1 | Automatic Blower for Models DV210/DV215 | | | | |
| DRB1 | Automatic Blower for Models DV25/DV35 | | | | |
| Accessories | | | | | |
| DV822 | Vinyl Siding Vent Kit for all DV Models | | | | |
| TRW | Wireless Remote Wall Thermostat for all | | | | |



DV210SGXLP



DV25SGLP

Conventional Vent Console Heater



| Model | BTU-Input | Blower | Gas | W x D x H | Vent-Wall Opening |
|--|--------------------------------|-----------|-----|----------------------|-------------------|
| Closed Front Heaters with Optional Blower | | | | | |
| RH25NAT | 25,000 | Optional* | Nat | 37" x 11-1/2" x 26" | 4" |
| RH25LP | | | LP | | |
| RH35NAT | 35,000 | Optional* | Nat | 37" x 11-1/2" x 26" | 4" |
| RH35LP | | | LP | | |
| DRB-1* | Blower for RH25/RH35 Models | | | | |
| DVP1 | Floor Pad (36 x 14) | | | | |
| Closed Front Heaters With Blowers Standard | | | | | |
| RH50CBNAT | 50,000 | Included | Nat | 34" x 16" x 29-9/16" | 5" |
| RH50CBLP | | | LP | | |
| RH65CBNAT | 65,000 | Included | Nat | 34" x 20" x 29-9/16" | 5" |
| RH65CBLP | | | LP | | |
| Visual Flame Heaters With Blowers | | | | | |
| RH50BNAT | 50,000 | Included | Nat | 34" x 16" x 29-9/16" | 5" |
| RH50BLP | | | LP | | |
| RH65BNAT | 65,000 | Included | Nat | 34" x 20" x 29-9/16" | 5" |
| RH65BLP | | | LP | | |
| RHL2 | Log Kit Option for RH50B/RH65C | | | | |
| RH425 | Floor Pad (36" x 21") | | | | |



RH35LP



RH50BLP & RHL2

RHI Advantage

Empire has so many great heater and fireplace options - it's hard to list them all. We have access to everything they offer, so if you need something unique we've got you covered! Let us know what you are looking for!

- Vented Stoves - Direct Vent Inserts - Linear Fireplaces - Outdoor Fireplaces - See Through Fireplaces -

Direct-Vent Counterflow Wall Furnace



| Model | BTU Input | Pilot | Gas | W x D x H | Vent-Wall Opening |
|-----------------------------|--|----------|-----------|-----------------------------|-------------------|
| DVC35SPPXNAT DVC35SPPXLP | 35,000 | Standing | Nat LP | 14-1/4" x 10-3/8" x 72-1/2" | 7-1/2" |
| DVC35IPXNAT DVC35IPXLP | 35,000 | Spark | Nat LP | 14-1/4" x 10-3/8" x 72-1/2" | 7-1/2" |
| DVC55SPPXNAT DVC55SPPXLP | 55,000 | Standing | Nat LP | 16" x 11-1/3" x 82-3/8" | 7-1/2" |
| DVC55IPXNAT DVC55IPXLP | 55,000 | Spark | Nat LP | 16" x 11-1/3" x 82-3/8" | 7-1/2" |
| DV1273 | Vent Kit - Shipped with the DVC35 Series - No Charge | | | | |
| DV600 | Vent Kit - Shipped with the DVC55 Series - No Charge | | | | |
| Accessories | | | | | |
| SOR1 | Side Outlet Register Kit | | | | |
| SOK1 | 10" Side Outlet Kit | | | | |
| VSK2 | Slim Line Vinyl Siding Kit | | | | |
| DV822 | Vinyl Siding Kit | | | | |
| TRW | Wireless Remote Wall Thermostat | | | | |


DV55SPPX

Conventional B-Vent Counterflow Wall Furnace



| Model | BTU Input | Pilot | Gas | W x D x H | Vent-Wall Opening |
|--|---------------------------------|----------|-----------|-----------------------------|-------------------|
| FAW40SPPXNAT FAW40SPPXLP | 40,000 | Standing | Nat LP | 14-1/4" x 10-3/8" x 72-1/2" | 4" |
| FAW40IPXNAT FAW40IPXLP | 40,000 | Spark | Nat LP | 14-1/4" x 10-3/8" x 72-1/2" | 4" |
| FAW55SPPXNAT FAW55SPPXLP | 55,000 | Standing | Nat LP | 16" x 11-1/3" x 82-3/8" | 4" |
| FAW55IPXNAT FAW55IPXLP | 55,000 | Spark | Nat LP | 16" x 11-1/3" x 82-3/8" | 4" |
| Accessories (Vent Enclosures are also Available) | | | | | |
| SOR1 | Side Outlet Register Kit | | | | |
| SOK1 | 10" Side Outlet Kit | | | | |
| ROK1 | 10" Rear Outlet Kit | | | | |
| DV648 | Oval-to-Round Flue Adapter Kit | | | | |
| TRW | Wireless Remote Wall Thermostat | | | | |


FAW40SPPXLP


Electric Garage Heaters

Ideal for Garages and Workshops

Features

- Mounts on wall or ceiling with 160 CFM fan
- Remote control included

Features

- Built-in digital interface with 45 °F - 99 °F set point
- Stainless steel tubular heating element

| Part # | Volts | Watts | BTU | Amps | L x W x H |
|-----------------|-------|-------|--------|------|---------------------|
| GH48R | 208 | 1800 | 6,142 | 8.6 | 17-3/4" x 12" x 18" |
| | | 3600 | 12,284 | 17.3 | |
| | 240 | 2400 | 8,189 | 10 | |
| | | 4800 | 16,378 | 20 | |
| 1 Year Warranty | | | | | |




GH48R

Electric Heater

Perfect for Larger Garages and Shops

Features

- Mounts on wall or ceiling with 270 CFM fan
- Automatic fan delay eliminates cold start

Features

- Built-in digital interface with 45 °F - 99 °F set point
- Many different amperage options

| Part # | Volts | Watts | BTU | Amps | L x W x H |
|--|-------|-------|--------|------|---------------------|
| HUH524TA | 208 | 1,874 | 6,396 | 9.0 | 19" x 14" x 12-1/2" |
| | | 2,500 | 8,553 | 12.0 | |
| | | 3,123 | 10,659 | 15.0 | |
| | | 3,750 | 12,799 | 18.0 | |
| | 240 | 2,500 | 8,533 | 10.4 | |
| | | 3,332 | 11,365 | 13.9 | |
| | | 4,165 | 14,215 | 17.4 | |
| | | 5,000 | 17,065 | 20.9 | |
| HUH724ST | 208 | 2,812 | 9,598 | 13.5 | 19" x 14" x 12-1/2" |
| | | 3,750 | 12,799 | 18.0 | |
| | | 4,685 | 15,990 | 22.5 | |
| | | 5,625 | 19,198 | 27.1 | |
| | 240 | 3,750 | 12,799 | 15.6 | |
| | | 5,000 | 17,065 | 20.8 | |
| | | 6,250 | 21,331 | 26.0 | |
| | | 7,500 | 25,598 | 31.3 | |
| 1 Year Parts Warranty / 10 Year Element Warranty | | | | | |




HUH524TA



HUH724ST

Residential / Commercial / Floor / Convection / Console / Hazardous / Industrial

Radiant Heat Cove Heat Cabinet Unit Heaters Air Curtains Ceiling Fans

Berko is a great line for us! They make quality products and are one of the most popular on the market. Berko is made by the same company that makes Marley, QMark, MIP, Fahrenheit, and Leading Edge. We can help you get parts or an identical replacement!!

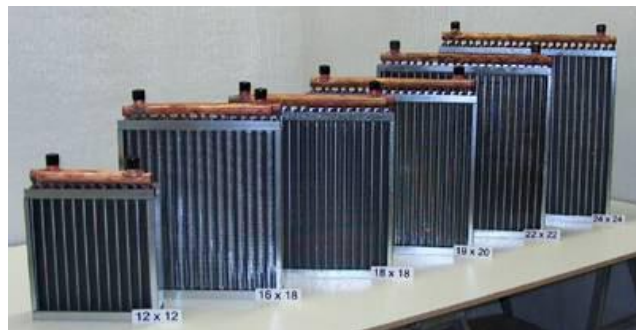
We have access to the coils you need for new installs or replacements!

Direct Expansion (DX) / Hot Water / Chilled Water / Steam / Heat Reclaim

We can get coils that are stocked at the factory - quick! We also have access to several manufacturers who can create a custom coil to match an existing coil.

What info do we need to quote?

- Is it framed?
- Fins per Inch?
- How many rows of coils?
- What type? (Steam, water, DX)



SunTherm™
HEATING PRODUCTS

Air handlers and fan coils



Engineered systems for commercial applications.

C/S Series: Cased and Uncased Ceiling Mounted Fan Coil

- DX or Chilled Water Cooling
- ECM Brushless DC Motor available
- Heat pump ready
- Optional electric heat available up to 10KW
- Optional hot water heating available
- Available Cased or Uncased
- 208/230/1/60 or 115/1/60



Multi-Configuration Single and Double Wall Belt Drive Air Handler

- CFM Range 600 to 9000
- Cooling Coils Available in DX and Chilled Water
- Heating Coils Available in Hot Water and Steam
- Electric Heat Available for Reheat Application

Rooftop Single and Double Wall Belt Drive Air Handler

- CFM Range 600 to 9000
- Cooling Coils Available in DX and Chilled Water
- Heating Coils Available in Hot Water and Steam
- Electric Heat Available for Reheat Application

FUEL COST CHART

| Electricity | 3412 BTU/kWh | | | | | | | | | | | |
|-------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| \$ / kWh | 0.038 | 0.040 | 0.042 | 0.044 | 0.046 | 0.048 | 0.050 | 0.052 | 0.054 | 0.056 | 0.058 | |
| 100% | 11.14 | 11.72 | 12.31 | 12.90 | 13.48 | 14.07 | 14.65 | 15.24 | 15.83 | 16.41 | 17.00 | |
| 150% | 7.42 | 7.81 | 8.21 | 8.60 | 8.99 | 9.38 | 9.77 | 10.16 | 10.55 | 10.94 | 11.33 | |
| 200% | 5.57 | 5.86 | 6.15 | 6.45 | 6.74 | 7.03 | 7.33 | 7.62 | 7.91 | 8.21 | 8.50 | |
| 250% | 4.45 | 4.69 | 4.92 | 5.16 | 5.39 | 5.63 | 5.86 | 6.10 | 6.33 | 6.57 | 6.80 | |
| 275% | 4.05 | 4.26 | 4.48 | 4.69 | 4.90 | 5.12 | 5.33 | 5.54 | 5.76 | 5.97 | 6.18 | |
| 300% | 3.71 | 3.91 | 4.10 | 4.30 | 4.49 | 4.69 | 4.88 | 5.08 | 5.28 | 5.47 | 5.67 | |
| 325% | 3.43 | 3.61 | 3.79 | 3.97 | 4.15 | 4.33 | 4.51 | 4.69 | 4.87 | 5.05 | 5.23 | |
| 350% | 3.18 | 3.35 | 3.52 | 3.68 | 3.85 | 4.02 | 4.19 | 4.35 | 4.52 | 4.69 | 4.86 | |
| 400% | 2.78 | 2.93 | 3.08 | 3.22 | 3.37 | 3.52 | 3.66 | 3.81 | 3.96 | 4.10 | 4.25 | |
| Natural Gas | 100,000 BTU/therm | | | | | | | | | | | |
| \$ / Therm | 0.90 | 0.95 | 1.00 | 1.05 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 1.40 | |
| 75% | 12.00 | 12.67 | 13.33 | 14.00 | 14.67 | 15.33 | 16.00 | 16.67 | 17.33 | 18.00 | 18.67 | |
| 80% | 11.25 | 11.88 | 12.50 | 13.13 | 13.75 | 14.38 | 15.00 | 15.63 | 16.25 | 16.88 | 17.50 | |
| 82% | 10.98 | 11.59 | 12.20 | 12.80 | 13.41 | 14.02 | 14.63 | 15.24 | 15.85 | 16.46 | 17.07 | |
| 85% | 10.59 | 11.18 | 11.76 | 12.35 | 12.94 | 13.53 | 14.12 | 14.71 | 15.29 | 15.88 | 16.47 | |
| 90% | 10.00 | 10.56 | 11.11 | 11.67 | 12.22 | 12.78 | 13.33 | 13.89 | 14.44 | 15.00 | 15.56 | |
| 92% | 9.78 | 10.33 | 10.87 | 11.41 | 11.96 | 12.50 | 13.04 | 13.59 | 14.13 | 14.67 | 15.22 | |
| 95% | 9.47 | 10.00 | 10.53 | 11.05 | 11.58 | 12.11 | 12.63 | 13.16 | 13.68 | 14.21 | 14.74 | |
| Propane | 100,000 BTU/gallon | | | | | | | | | | | |
| \$ / Gal. | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | |
| 75% | 16.75 | 18.15 | 19.55 | 20.94 | 22.34 | 23.73 | 25.13 | 26.53 | 27.92 | 29.32 | 30.72 | |
| 80% | 15.71 | 17.02 | 18.32 | 19.63 | 20.94 | 22.25 | 23.56 | 24.87 | 26.18 | 27.49 | 28.80 | |
| 82% | 15.32 | 16.60 | 17.88 | 19.15 | 20.43 | 21.71 | 22.99 | 24.26 | 25.54 | 26.82 | 28.09 | |
| 85% | 14.78 | 16.01 | 17.25 | 18.48 | 19.71 | 20.94 | 22.17 | 23.41 | 24.64 | 25.87 | 27.10 | |
| 90% | 13.96 | 15.13 | 16.29 | 17.45 | 18.62 | 19.78 | 20.94 | 22.11 | 23.27 | 24.43 | 25.60 | |
| 92% | 13.66 | 14.80 | 15.93 | 17.07 | 18.21 | 19.35 | 20.49 | 21.63 | 22.76 | 23.90 | 25.04 | |
| 95% | 13.23 | 14.33 | 15.43 | 16.53 | 17.64 | 18.74 | 19.84 | 20.94 | 22.04 | 23.15 | 24.25 | |
| Fuel Oil | 138,900 BTU/gallon | | | | | | | | | | | |
| \$ / Gal. | 3.20 | 3.25 | 3.30 | 3.35 | 3.40 | 3.45 | 3.50 | 3.55 | 3.60 | 3.65 | 3.70 | |
| 75% | 30.72 | 31.20 | 31.68 | 32.16 | 32.64 | 33.12 | 33.60 | 34.08 | 34.56 | 35.04 | 35.52 | |
| 80% | 28.80 | 29.25 | 29.70 | 30.15 | 30.60 | 31.05 | 31.50 | 31.95 | 32.40 | 32.85 | 33.30 | |
| 82% | 28.10 | 28.53 | 28.97 | 29.41 | 29.85 | 30.29 | 30.73 | 31.17 | 31.61 | 32.05 | 32.49 | |
| 85% | 27.10 | 27.53 | 27.95 | 28.37 | 28.80 | 29.22 | 29.64 | 30.07 | 30.49 | 30.92 | 31.34 | |
| 90% | 25.60 | 26.00 | 26.40 | 26.80 | 27.20 | 27.60 | 28.00 | 28.40 | 28.80 | 29.20 | 29.60 | |
| 92% | 25.04 | 25.43 | 25.82 | 26.22 | 26.61 | 27.00 | 27.39 | 27.78 | 28.17 | 28.56 | 28.95 | |
| 95% | 24.25 | 24.63 | 25.01 | 25.39 | 25.77 | 26.15 | 26.52 | 26.90 | 27.28 | 27.66 | 28.04 | |

Examples:

Natural Gas, 95%, \$2.00 per Therm - \$21.05 for 1 million BTU.
LP Gas, 95%, \$2.80 per Gallon - \$30.86 for 1 million BTU.

| | 0.060 | 0.062 | 0.064 | 0.066 | 0.068 | 0.070 | 0.080 | 0.090 | 0.100 | 0.125 | 0.130 | 0.135 | 0.140 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 17.58 | 18.17 | 18.76 | 19.34 | 19.93 | 20.52 | 23.45 | 26.38 | 29.31 | 36.62 | 38.09 | 39.55 | 41.02 |
| | 11.72 | 12.11 | 12.50 | 12.90 | 13.29 | 13.68 | 15.63 | 17.58 | 19.54 | 24.42 | 25.39 | 26.37 | 27.35 |
| | 8.79 | 9.09 | 9.38 | 9.67 | 9.97 | 10.26 | 11.72 | 13.19 | 14.65 | 18.31 | 19.04 | 19.78 | 20.51 |
| | 7.03 | 7.27 | 7.50 | 7.74 | 7.97 | 8.21 | 9.38 | 10.55 | 11.72 | 14.65 | 15.24 | 15.82 | 16.41 |
| | 6.39 | 6.61 | 6.82 | 7.03 | 7.25 | 7.46 | 8.53 | 9.59 | 10.66 | 13.32 | 13.85 | 14.38 | 14.92 |
| | 5.86 | 6.06 | 6.25 | 6.45 | 6.64 | 6.84 | 7.82 | 8.79 | 9.77 | 12.21 | 12.70 | 13.18 | 13.67 |
| | 5.41 | 5.59 | 5.77 | 5.95 | 6.13 | 6.31 | 7.21 | 8.12 | 9.02 | 11.27 | 11.72 | 12.17 | 12.62 |
| | 5.02 | 5.19 | 5.36 | 5.53 | 5.69 | 5.86 | 6.70 | 7.54 | 8.37 | 10.46 | 10.88 | 11.30 | 11.72 |
| | 4.40 | 4.54 | 4.69 | 4.84 | 4.98 | 5.13 | 5.86 | 6.59 | 7.33 | 9.16 | 9.52 | 9.89 | 10.25 |

| | 1.45 | 1.50 | 1.55 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 19.33 | 20.00 | 20.67 | 21.33 | 22.67 | 24.00 | 25.33 | 26.67 | 28.00 | 29.33 | 30.67 | 32.00 | 33.33 |
| | 18.13 | 18.75 | 19.38 | 20.00 | 21.25 | 22.50 | 23.75 | 25.00 | 26.25 | 27.50 | 28.75 | 30.00 | 31.25 |
| | 17.68 | 18.29 | 18.90 | 19.51 | 20.73 | 21.95 | 23.17 | 24.39 | 25.61 | 26.83 | 28.05 | 29.27 | 30.49 |
| | 17.06 | 17.65 | 18.24 | 18.82 | 20.00 | 21.18 | 22.35 | 23.53 | 24.71 | 25.88 | 27.06 | 28.24 | 29.41 |
| | 16.11 | 16.67 | 17.22 | 17.78 | 18.89 | 20.00 | 21.11 | 22.22 | 23.33 | 24.44 | 25.56 | 26.67 | 27.78 |
| | 15.76 | 16.30 | 16.85 | 17.39 | 18.48 | 19.57 | 20.65 | 21.74 | 22.83 | 23.91 | 25.00 | 26.09 | 27.17 |
| | 15.26 | 15.79 | 16.32 | 16.84 | 17.89 | 18.95 | 20.00 | 21.05 | 22.11 | 23.16 | 24.21 | 25.26 | 26.32 |

| | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 2.95 | 3.00 | 3.05 | 3.10 | 3.15 | 3.20 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 32.11 | 33.51 | 34.90 | 36.30 | 37.70 | 39.09 | 40.49 | 41.19 | 41.88 | 42.58 | 43.28 | 45.90 | 46.63 |
| | 30.10 | 31.41 | 32.72 | 34.03 | 35.34 | 36.65 | 37.96 | 38.61 | 39.27 | 39.92 | 40.58 | 43.03 | 43.72 |
| | 29.37 | 30.65 | 31.92 | 33.20 | 34.48 | 35.76 | 37.03 | 37.67 | 38.31 | 38.95 | 39.59 | 41.98 | 42.65 |
| | 28.33 | 29.57 | 30.80 | 32.03 | 33.26 | 34.49 | 35.73 | 36.34 | 36.96 | 37.57 | 38.19 | 40.50 | 41.14 |
| | 26.76 | 27.92 | 29.09 | 30.25 | 31.41 | 32.58 | 33.74 | 34.32 | 34.90 | 35.49 | 36.07 | 38.25 | 38.86 |
| | 26.18 | 27.32 | 28.45 | 29.59 | 30.73 | 31.87 | 33.01 | 33.58 | 34.15 | 34.71 | 35.28 | 37.42 | 38.01 |
| | 25.35 | 26.45 | 27.56 | 28.66 | 29.76 | 30.86 | 31.96 | 32.52 | 33.07 | 33.62 | 34.17 | 36.24 | 36.81 |

| | 3.80 | 3.90 | 4.00 | 4.10 | 4.20 | 4.30 | 4.40 | 4.50 | 4.60 | 4.70 | 4.80 | 4.90 | 5.00 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 36.48 | 37.44 | 38.40 | 39.36 | 40.32 | 41.28 | 42.24 | 43.20 | 44.16 | 45.12 | 46.08 | 47.04 | 48.00 |
| | 34.20 | 35.10 | 36.00 | 36.90 | 37.80 | 38.70 | 39.60 | 40.50 | 41.40 | 42.30 | 43.20 | 44.10 | 45.00 |
| | 33.36 | 34.24 | 35.12 | 36.00 | 36.88 | 37.75 | 38.63 | 39.51 | 40.39 | 41.26 | 42.14 | 43.02 | 43.90 |
| | 32.19 | 33.03 | 33.88 | 34.73 | 35.57 | 36.42 | 37.27 | 38.11 | 38.96 | 39.81 | 40.66 | 41.50 | 42.35 |
| | 30.40 | 31.20 | 32.00 | 32.80 | 33.60 | 34.40 | 35.20 | 36.00 | 36.80 | 37.60 | 38.40 | 39.20 | 40.00 |
| | 29.74 | 30.52 | 31.30 | 32.08 | 32.87 | 33.65 | 34.43 | 35.21 | 36.00 | 36.78 | 37.56 | 38.34 | 39.13 |
| | 28.80 | 29.56 | 30.31 | 31.07 | 31.83 | 32.59 | 33.34 | 34.10 | 34.86 | 35.62 | 36.38 | 37.13 | 37.89 |

Examples:

Electric, 100%, \$.09 per KW - \$26.38 for 1 million BTU.
Oil, 85%, \$5.00 per Gallon - \$42.35 for 1 million BTU.

RIGHT NOW REWARDS

IT'S YOUR TIME.

WELCOME TO RIGHT NOW REWARDS

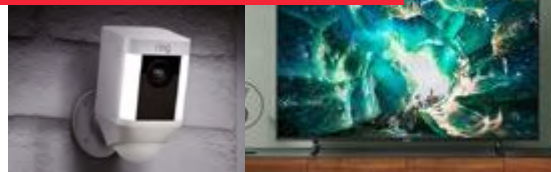
Right Now Rewards has been specially designed with you in mind. We've made it as easy as possible to earn points that you can redeem for some amazing rewards. It's all about saying thank you for your hard work and loyalty to RHI, your local supplier of HVAC/R Parts.

HOW DOES IT WORK?

1. Make sure your account is activated (watch your inbox)
2. You'll receive a customized goal
3. Earn 1 point for every \$1 you spend
4. Start using your points after you've earned 10,000
5. Earn 6 points per dollar once you've hit your customized goal. Our way of celebrating when we grow together!
6. Visit rightnowrewards.com to track your progress to goal and redeem points

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BRAND NAME ELECTRONICS



SPORTS AND FITNESS



OUTDOORS, HOMEGOODS



TRAVEL, EXPERIENCES



AND MORE...



Many Applications, Many Options - We can quote you today!

**Same wall fit outside.
Stunning new technology inside.**

- ▶ All models have the same supply and return openings as units from the past 50+ years – no need to cut new holes
- ▶ Great service access to the compressor and filter drier locations
- ▶ Easy access for cleaning the condenser coil
- ▶ Side and back electrical knockouts for easy installation
- ▶ Electric heat access with wire chase

W42AC-W60AC SERIES

3.5-5 TON // Wall-Mount Air Conditioning

- Center Control Panel – easy access, well organized
- No vent hood

11 EER

W18AB-W36AB SERIES

2.5-3 TON // Wall-Mount Air Conditioning

- Right and left hand access
- 38.200-inches (W), 17.125-inches (D), 74.563-inches (H) (same as 10 EER)

11 EER

W12AB SERIES

1 TON // Wall-Mount Air Conditioning

11 EER

W72AC SERIES

6 TON // Wall-Mount Air Conditioning

10 EER

New DOE mandates require 6+ ton systems to be 10 EER

5 TON

- 42.075-inches (W), 25.320-inches (D), 93.000-inches (H) (3" deeper than 10 EER)

3.5-4 TON

- 42.075-inches (W), 25.320-inches (D), 84.875-inches (H) (3" deeper than 10 EER)

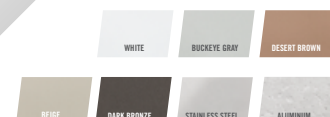
1.5-2 TON // Wall-Mount Air Conditioning

- Right and left hand access
- 33.300-inches (W), 17.125-inches (D), 74.563-inches (H) (same as 10 EER)

- 32.000-inches (W), 14.630-inches (D), 48.000-inches (H) (same as 10 EER)

- 6 ton cooling capacity
- Center Control Panel
- No vent hood
- Dehumidification optional
- 42.075-inches (W), 25.320-inches (D), 93.000-inches (H) (now 3" deeper)

Color Options





Residential Focused Line Card

| | | | |
|--|---|--|--|
| | Furnaces, Heat Pumps, Air Conditioners | | Side Wall Power Venters Draft Inducers |
| | Low Profile A-Coils and Slab Coils | | Chemicals for Hydronics Cleaners and Glycol |
| | Furnaces, Heat Pumps, Air Conditioners | | CSST Flexible Gas Pipe PE Underground Pipe |
| | Hydronic Circulator Pumps and Accessories | | Water Heaters |
| | Oil Burners and Parts | | PTACs and Through-The-Wall ACs |
| | Electric Heaters for Residential Applications | | Humidifiers, Filters, Dehumidifiers |
| | Hydronic Heating Accessories | | Mini Split Solutions Singles and Multis |
| | Plastic Cover for Linesets and more | | HRVs and ERVs and Controls |
| | Air Filters - Pleated and Custom Sizes | | Hydronic Circulator Pumps |
| | Scroll & Recip Compressors for A/C & Refrigeration | | Mobile Home Furnaces |
| | Furnaces, Heat Pumps, Air Conditioners | | Hydronic Baseboard for low temp or high heat output |
| | B-Vent, Poly Pipe, Gasketed Stainless Steel | | Cryo-tek Propylene Glycol and Chemicals |
| | Wall Furnaces and Console Heaters | | Single Zone Mini Splits |
| | HRVs, Inline fans and Radon Solutions | | Universal Furnace Boards, Time Delays |
| | Motors: Condenser Fan Blower & Draft Inducers | | Propane Regulators |

Residential Focused Line Card

RHI Supply
Residential Focused Line Card

| | | | |
|---|--|--|---|
|  | Blower Wheels, Bearings, Prop Fans |  | Gas Valves, HSI's, HVAC Parts, Refrigeration Controls |
|  | Black Iron Fittings and Ball Valves |  | Chemicals for Hydronics Cleaners and Glycol |
|  | Condensate Removal Pumps |  | Air Conditioning & Refrigeration Components |
|  | HVAC Parts: Motors, Capacitors, Contactors |  | Oil Pumps |
|  | Unit Heaters, Infrared Heating, Duct Furnaces |  | Aftermarket HVAC+R Parts and Tools |
|  | InFloor Heat Pipe, Manifolds & Accessories |  | Hydronic Heating Pumps and Accessories |
|  | Residential Cast Iron Boilers |  | Refrigeration and AC Compressors & Units |
|  | Gas Regulators for Natural and LP |  | Electric Boilers and Plenum Heaters |
|  | Mod-Con Boilers & Domestic Water Products |  | Burnham Residential Boilers |
|  | HVAC Chemicals and Indoor Air Quality |  | Pro Press and Mega Press Fittings |
|  | Motors, Draft Inducers, Capacitors, Contactors |  | Near Boiler Piping Kits, Pump Flanges |
|  | Bathroom Exhaust Fans |  | Vented Fireplace and Stove Solutions |
|  | Unit Heater Brackets & Mini Split Stands |  | Gas Valves, Circuit Boards, Temp Controller |
|  | Thermostats, IAQ, & Universal HVAC Parts |  | Tools designed for the HVAC-R trades |
|  | "Relay In a Box" Relays, Current Sensors |  | Solderless fittings for Refrigeration & A/C |

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RH Supply Commercial Focused Line Card

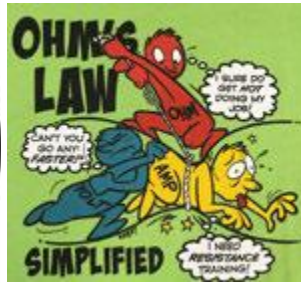
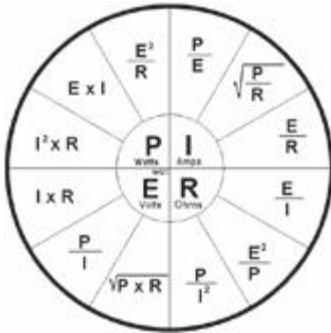
| | | | |
|---|---|--|---|
|  | Furnaces, Heat Pumps, Air Conditioners |  | Refrigeration and Cooling Compressors & Condensing Unit |
|  | Package Units, Rootops, Splits |  | Air Filtration Solutions |
|  | High Performance Sensors for controls |  | Dehumidification Pools, Grow Rooms |
|  | Fabric Duct Socks and Air Diffusers |  | Venting: Stainless Steel, Polypropylene, B-Vent |
|  | A-Coils and Slab Coils for DX Heating and Cooling |  | Wall Furnaces, Console Heaters, Fireplaces |
|  | Duct Mounted Fire Detections Systems |  | Wall Vents, Roof Vents, Caps, Zone Dampers |
|  | B&G, McDonnell Miller, Hoffman Hydronic Solutions |  | Inline Fans, HRV, ERV, Radon Mitigation |
|  | Packaged AC units for commercial applications |  | Glycol and other Hydronic Chemicals |
|  | Actuators, Valves, Retrofit kits |  | CSST Flexible Gas Pipe PE Underground Pipe |
|  | Electric Heating Solutions |  | PTACs |
|  | Commercial Cast Iron Boilers |  | Mini Split Solutions Singles, Multis, & PTACs |
|  | Leer / Carroll Coolers Walk-in Cooler/Freezers |  | Ventilation HRV and ERV |
|  | Unique Hydronic Accessories |  | Hydronic Pumps for Heating and Domestic |
|  | Wine Cellar Climate Control |  | Vehicle Exhaust Systems |
|  | Refrigeration Equipment From Tiny to Industrial |  | Custom Coils for Heat, DX, Chilled Water |

Commercial Focused Line Card

RHI Supply
Commercial Focused Line Card

| | | | |
|---|---|---|--|
| Honeywell | Flame Safeguard, Valves, Actuators, Thermostats | PHOENIX MANUFACTURING | Evaporative Cooling |
| Honeywell | Building Automation Webs N4 | PROLON controls | Commercial Building Controls, Automation |
| Honeywell Analytics | Vulcain Gas Detection | resideo | Thermostats, Zone Dampers, Controls |
| Johnson Controls | HVAC-R Parts, Pnuematics, Controls | Functional Devices, Inc. | Enclosed Relays and Current Sensors |
| magic-pak® | Packaged HVAC for Multiple Occupancy | RUPPAIR HEATING • COOLING • VENTILATION | Make-Up Air Systems |
| MrPEX® | In-Floor Heat Tubing, Manifolds, Layouts | RUSKIN AUTHORITY IN AIR CONTROL | Commercial Dampers, Louvers, VAV Boxes |
| MODINE | Gas, Electric, Infrared Unit Heaters | RTC | Make-Up Air Controls |
| MORTEX MORTEX PRODUCTS, INC. | Commercial and Multi-Family HVAC Units | S&P | Soler and Palau Dampers and Fans |
| Multi-aqua™ | Ductless Evaps for Heat and Chilled Water | SPORLAN TV | Refrigeration and AC Components |
| New Yorker INDUSTRIAL HEATING BOILERS | Cast Iron Boilers Fuel Oil and Gas | Taco® | Hydronic Pumps for Heating and Domestic |
| NORGAS | Commericla Gas Regulators & Meters | TECO  Westinghouse | Variable Frequency Drives (VFD) & Motors |
| NTI | Modulating Condensing Boilers & Storage Tanks | Tecumseh | Refrigeration and AC Compressors & Units |
| Nu-Calgon | iWave Air Purifiers POE Oil, Chemicals | THERMOLEC | Electric Heat Solutions Duct, Boilers, Fresh Air |
| OPERA Gas Detectors | Gas Detection | viega | Press Fittings ProPress & MegaPress |
| Panasonic | Bathroom Exhaust Fans Radiation Dampers | ZoomLock MAX ZoomLock PUSH | Solderless Fittings for Refrigeration and AC |

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1 Gallon of Water = 8.33 Lbs
1 Cubic Foot of Water = 7.48 Gallons
1 Boiler HP = 33,520 BTU/h
1 PSI = 2.31 Foot/Head
1 PSI = 28" H2O (Inches of Water)
GPM x 500 x Delta T = BTU/h
1 Lb of Steam at 5 PSI = 1155 BTU/h
3/4" Fin Tube @ 180F water = 600 BTU per Foot
1 Ton of Air Conditioning = 12,000 BTU
Each Ton of Cooling Requires 400 CFM of Airflow (20F Delta T)
1 Watt = 3.413 BTU 1 kW = 3,413 BTU
Air Content = 78% Nitrogen, 21% Oxygen, 1% Other Gases

Sizing an Residential HRV:

TOTAL cubic feet X 0.35 per hour = total cubic feet per hour
Take total cu ft per hour / 60 min = cubic feet per minute (CFM)
Example: A 25 ft. x 40 ft. (1,000 sq. ft.) house with full basement
1,000 sq. ft. x 8 ft. high x 2 (1st floor + basement) = 16,000 cu. ft.
16,000 cu. ft. x 0.35 ACH = 5,600 cubic feet per hour
5,600 cu. ft. / 60 Minutes = 93 cubic feet per minute (CFM)
93 CFM is your ventilation need

| Water Capacity Per Foot Of Pipe | | | | | | |
|---------------------------------|------|------|------|-------|-------|-----|
| | 1/2" | 3/4" | 1" | 1.25" | 1.50" | 2" |
| Gallons Per Foot | .016 | .023 | .040 | .063 | .105 | .17 |

| Water Capacity Per 100 Feet Of PEX | | | | | |
|------------------------------------|-----|------|------|------|------|
| | 3/8 | 1/2 | 5/8 | 3/4 | 1 |
| Gallons / 100 ft | 0.5 | 0.92 | 1.34 | 1.84 | 3.03 |

APPROXIMATE PRESSURE CONTROL SETTINGS

| Application | Temp Range | Evap TD | Pressure - Pounds Per Square Inch Gauge | | | | | | | | | |
|-------------------------|---------------------------------|--------------|---|-------|-------|-------|------|-----|-------|-------|-------|------|
| | | | R22 | R134a | R404A | R414B | R507 | R22 | R134a | R404A | R414B | R507 |
| Beverage Cooler | 35°F to 38°F (1.7°C to 3.3°C) | 15°F (8.3°C) | 41 | 66 | 17 | 33 | 53 | 82 | 15 | 29 | 56 | 86 |
| Floral Cooler | | | | | | | | | | | | |
| Produce Cooler | | | | | | | | | | | | |
| Smoked Meat Cooler | | | | | | | | | | | | |
| Meat Reach Thru | 32 to 35 (0°C to 1.7°C) | 15°F (8.3°C) | 38 | 62 | 15 | 30 | 49 | 77 | 13 | 27 | 52 | 81 |
| Service Deli | | | | | | | | | | | | |
| Seafood | | | | | | | | | | | | |
| Multi-Deck Fresh Meat | 26 to 29 (-3.3°C to -1.7°C) | 15°F (8.3°C) | 32 | 54 | 11 | 25 | 42 | 68 | 9 | 22 | 44 | 71 |
| Frozen Glass Door | -10 to 0 (-23.3°C to -17.8°C) | 10°F (5.6°C) | 9 | 24 | - | - | 15 | 33 | - | - | 16 | 35 |
| Frozen Walk-In | -30 to -20 (-34.3°C to -28.9°C) | 10°F (5.6°C) | 0 | 10 | - | - | 3 | 16 | - | - | 4 | 18 |
| Frozen Ice Cream | | | | | | | | | | | | |
| Frozen Food - Open Type | | | | | | | | | | | | |

Pressure control settings assume a suction line pressure loss equivalent to 2°F.

Identify your blade rotation:
Imagine it sitting on a table (either side up)
Which way would it turn to "drill" into the table?
That's your rotation!

A 4-20 Milliamp Signal can be changed to a 2-10 VDC signal. All you need is a 500 Ohm Resistor

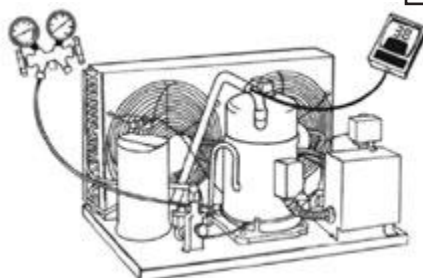
How many pounds can I put in my recovery tank??

Stamped on the tank handle:
W.C. = Water Column Weight & T.W. = Tank Weight (Empty)

A full recovery tank = (T.W.) + (80% of the W.C.)

HOW TO CHECK SUPERHEAT

Example: Refrigerant 134a
Suction Temperature 38°F (3.3°C) (6" to 12" from compressor)
Evaporator Temperature 20°F (-6.7°C) (Converting Pressure of 18 psig)
Superheat 18°F (10.0°C)

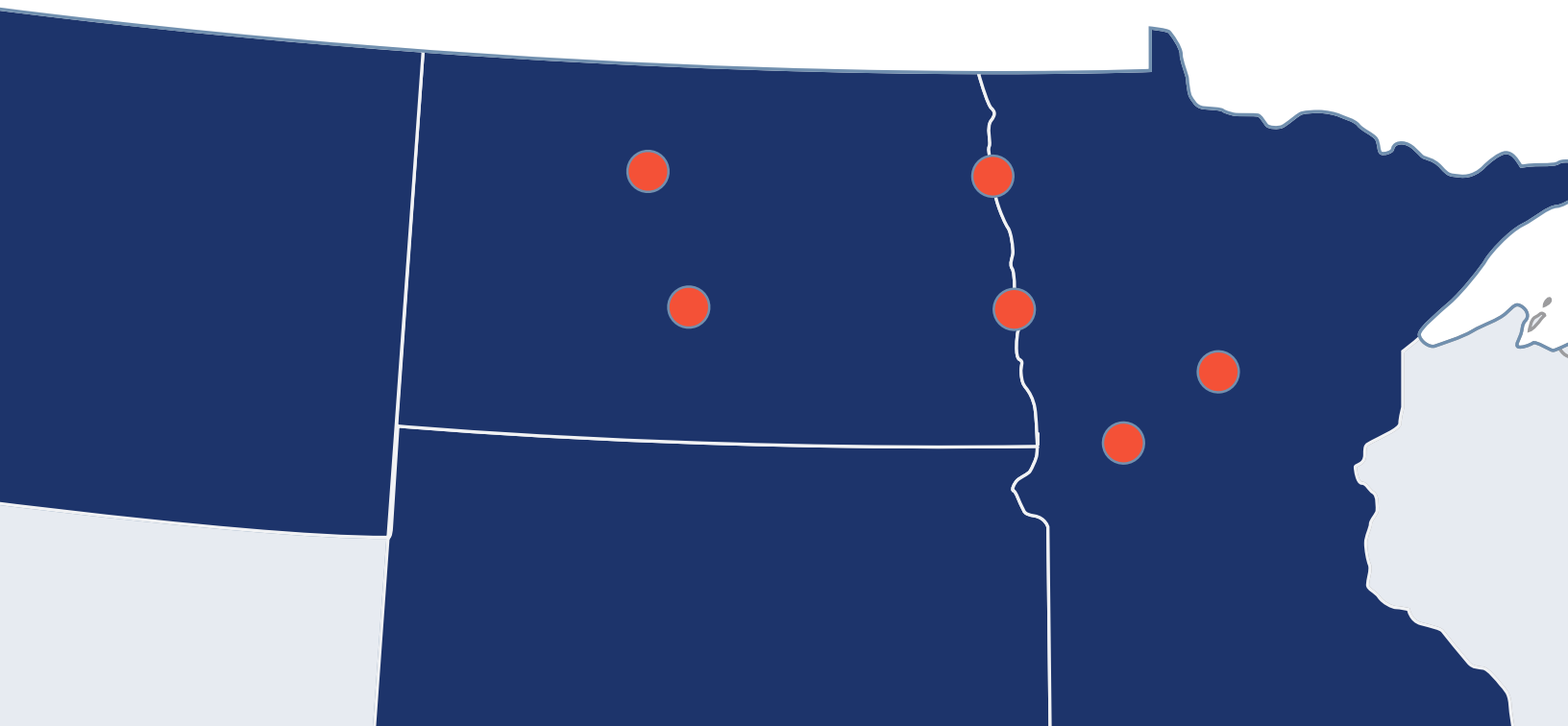


Testing a Modulating Signal?

A 9V Battery can be used to create a 9 VDC signal. This can help you troubleshoot without a signal generator!



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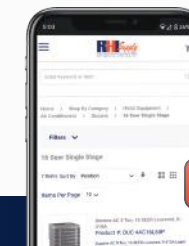
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