

# HYDRONICS

# 2026

## PRODUCT CATALOG

**PREMIUM PRODUCTS. TRUSTED BRANDS.  
BUILT FOR PERFORMANCE.**

 **OEM QUALITY**  
You Can Trust

 **IN STOCK**  
Ready to Ship

 **BUILT TO LAST**  
Engineered Performance

 **WIDEST SELECTION**  
For All Applications



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**EXPERT SUPPORT**



**FAST SHIPPING**

# HYDRONICS CHARTS AND RESOURCES

## Universal Hydronic Formula

$$\text{GPM} = \text{BTU/h} \div (\Delta T \times 500)$$

$$\text{Pipe Head Loss} = \text{Supply} + \text{Return} \times 1.5 \times .04$$

### Hydronic BTUh / Sq Ft      Delta T (ΔT)

|                       |    |                           |    |
|-----------------------|----|---------------------------|----|
| Basement .....        | 20 | Residential Radiant ..... | 10 |
| 1st & 2nd Floor ..... | 25 | Commercial Radiant .....  | 20 |
| Garage .....          | 30 | Baseboard .....           | 20 |

$$1/2" \text{ Pex Hd Loss} = \text{Longest Loop} \times .035$$

(based on 1.0 GPM @ 120° water)

$$\text{Ft Hd. Loss} = (\text{Flow} / \text{Cv})^2 \times 2.31$$

\* NOTE: For Estimating Purposes Only. All sizes should be confirmed by proper design methods.

### Fluid Velocity Calculator Type M Copper Min/Max Velocities within range 2/4 FPS 20° F Delta-T

| Pipe Size | GPM    | BTU                 |
|-----------|--------|---------------------|
| 3/4"      | 3-6    | 30,000 - 60,000     |
| 1"        | 6-10   | 60,000 - 100,000    |
| 1-1/4"    | 9-16   | 90,000 - 160,000    |
| 1-1/2"    | 12-22  | 120,000 - 220,000   |
| 2"        | 20-39  | 200,000 - 390,000   |
| 2.5"      | 32-61  | 320,000 - 610,000   |
| 3"        | 44-87  | 440,000 - 870,000   |
| 4"        | 76-152 | 760,000 - 1,520,000 |

### Spacing Factors (for use with in-floor tubing)

| Spacing  | Feet of Tube Per Square Foot of Floor Space |
|----------|---------------------------------------------|
| 4" O.C.  | 3.10                                        |
| 6" O.C.  | 2.10                                        |
| 8" O.C.  | 1.60                                        |
| 9" O.C.  | 1.38                                        |
| 12" O.C. | 1.05                                        |
| 15" O.C. | 0.83                                        |
| 18" O.C. | 0.70                                        |
| 24" O.C. | 0.55                                        |
| 36" O.C. | 0.37                                        |
| 48" O.C. | 0.28                                        |

$$\text{BTU/hr (water @ 68°F)} = \text{GPM} \times 500 \times \Delta T (°F)$$

$$\text{BTU/hr (30\% E. glycol @ 68°F)} = \text{GPM} \times 445 \times \Delta T (°F)$$

$$\text{BTU/hr (50\% E. glycol @ 32°F)} = \text{GPM} \times 395 \times \Delta T (°F)$$

$$\text{Pressure (PSI)} = \frac{\text{Head (ft.)} \times \text{Specific Gravity}}{2.31}$$

$$\text{Head (Ft.)} = \frac{\text{Head (PSI)} \times 2.31}{\text{Specific Gravity}}$$

## PEX Pressure Drop per/ft of Pipe

| GPM | 3/8"  | 1/2" | 5/8" | 3/4" | 1"   |
|-----|-------|------|------|------|------|
| 8.0 | 11.31 | 2.48 | 0.93 | 0.44 | 0.12 |
| 7.8 | 10.61 | 2.32 | 0.87 | 0.41 | 0.12 |
| 7.5 | 9.94  | 2.18 | 0.81 | 0.39 | 0.11 |
| 7.3 | 9.29  | 2.03 | 0.76 | 0.36 | 0.10 |
| 7.0 | 8.66  | 1.90 | 0.71 | 0.34 | 0.09 |
| 6.8 | 8.05  | 1.76 | 0.66 | 0.31 | 0.09 |
| 6.5 | 7.46  | 1.63 | 0.61 | 0.29 | 0.08 |
| 6.3 | 6.90  | 1.51 | 0.57 | 0.27 | 0.08 |
| 6.0 | 6.36  | 1.39 | 0.52 | 0.25 | 0.07 |
| 5.8 | 5.84  | 1.28 | 0.48 | 0.23 | 0.06 |
| 5.5 | 5.34  | 1.17 | 0.44 | 0.21 | 0.06 |
| 5.3 | 4.87  | 1.07 | 0.40 | 0.19 | 0.05 |
| 5.0 | 4.42  | 0.97 | 0.36 | 0.17 | 0.05 |
| 4.8 | 3.99  | 0.87 | 0.33 | 0.15 | 0.04 |
| 4.5 | 3.58  | 0.78 | 0.29 | 0.14 | 0.04 |
| 4.3 | 3.19  | 0.70 | 0.26 | 0.12 | 0.03 |
| 4.0 | 2.83  | 0.62 | 0.23 | 0.11 | 0.03 |
| 3.8 | 2.55  | 0.56 | 0.21 | 0.10 | 0.03 |
| 3.6 | 2.29  | 0.50 | 0.19 | 0.09 | 0.03 |
| 3.4 | 2.04  | 0.45 | 0.17 | 0.08 | 0.02 |
| 3.2 | 1.81  | 0.40 | 0.15 | 0.07 | 0.02 |
| 3.0 | 1.59  | 0.35 | 0.13 | 0.06 | 0.02 |
| 2.8 | 1.39  | 0.30 | 0.11 | 0.05 | 0.02 |
| 2.6 | 1.19  | 0.26 | 0.10 | 0.05 | 0.01 |
| 2.4 | 1.02  | 0.22 | 0.08 | 0.04 | 0.01 |
| 2.2 | 0.86  | 0.19 | 0.07 | 0.03 | 0.01 |
| 2.0 | 0.71  | 0.15 | 0.06 | 0.03 | 0.01 |
| 1.8 | 0.57  | 0.13 | 0.05 | 0.02 | 0.01 |
| 1.6 | 0.45  | 0.10 | 0.04 | 0.02 |      |
| 1.4 | 0.35  | 0.08 | 0.03 | 0.01 |      |
| 1.2 | 0.25  | 0.06 | 0.02 | 0.01 |      |
| 1.0 | 0.18  | 0.04 | 0.01 | 0.01 |      |
| 0.8 | 0.11  | 0.02 | 0.01 |      |      |
| 0.6 | 0.06  | 0.01 | 0.01 |      |      |
| 0.4 | 0.03  | 0.01 |      |      |      |
| 0.2 | 0.01  |      |      |      |      |
| 0.0 |       |      |      |      |      |

 = Velocity over 4 ft./s

## VELOCITY BOILER WORKS

### ARUBA 6

GAS FIRED HOT WATER BOILER

| PRODUCT | DESCRIPTION            |
|---------|------------------------|
| L64-204 | AWR038CNT350 BOILER NG |
| L64-206 | AWR070CNT350 BOILER NG |
| L64-208 | AWR105CNT350 BOILER NG |
| L64-210 | AWR140CNT350 BOILER NG |
| L64-212 | AWR175CNT350 BOILER NG |
| L64-214 | AWR210CNT350 BOILER NG |
| L64-216 | AWR245CNT350 BOILER NG |
| L64-218 | AWR280CNT350 BOILER NG |



### PHANTOM II

HEATING BOILER

| PRODUCT | DESCRIPTION            |
|---------|------------------------|
| L61-833 | PHTM208HNG1HUA BOILER  |
| L60-666 | PHTM2120HNG1HUA BOILER |
| L60-667 | PHTM2150HNG1HUA BOILER |
| L60-668 | PHTM2180HNG1HUA BOILER |



### TOBAGO II



| PRODUCT | DESCRIPTION              | MODEL         |
|---------|--------------------------|---------------|
| L64-193 | TWC-075-ZLT41 BOILER     | TWC-075-ZLT41 |
| L83-347 | 112227-01 BURNER BECKETT | 112227-01     |
| L64-194 | TWC-075-ZTT41 BOILER     | TWC-075-ZTT41 |
| L83-347 | 112227-01 BURNER BECKETT | 112227-01     |
| L64-195 | TWC-120-ZLT41 BOILER     | TWC-120-ZLT41 |
| L83-349 | 112228-01 BURNER BECKETT | 112228-01     |
| L64-196 | TWC-120-ZTT41 BOILER     | TWC-120-ZTT41 |
| L83-349 | 112228-01 BURNER BECKETT | 112228-01     |
| L64-197 | TWC-175-ZLT41 BOILER     | TWC-175-ZLT41 |
| L83-351 | 112229-01 BURNER BECKETT | 112229-01     |

### MEGA-STOR II



| PRODUCT | DESCRIPTION           |
|---------|-----------------------|
| L93-768 | MS2-030 MEGA-STOR HTR |
| L93-769 | MS2-040 MEGA-STOR HTR |
| L93-770 | MS2-050 MEGA-STOR HTR |
| L93-771 | MS2-075 MEGA-STOR HTR |

### BERMUDA II

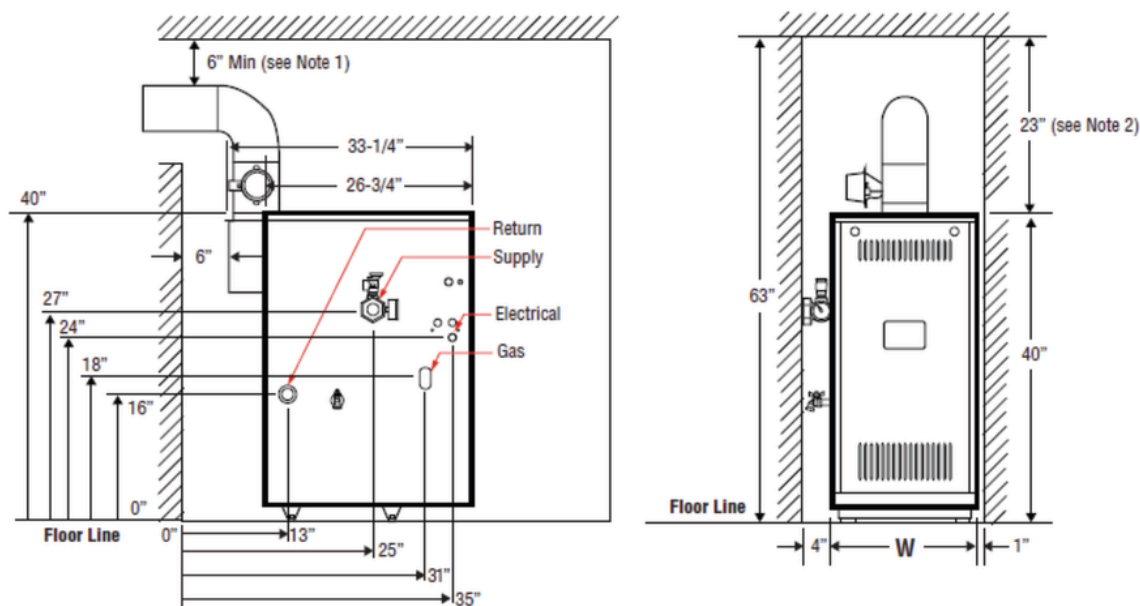


| PRODUCT | DESCRIPTION               |
|---------|---------------------------|
| L64-260 | BSI069BNPS0 BOILER 69K    |
| L83-054 | 113164-01 BSI NEAR BOILER |
| L64-261 | BSI103BNPS0 BOILER 103K   |
| L83-054 | 113164-01 BSI NEAR BOILER |
| L64-262 | BSI138BNPS0 BOILER 138K   |
| L83-054 | 113164-01 BSI NEAR BOILER |
| L64-263 | BSI172BNPS0 BOILER 172K   |
| L83-054 | 113164-01 BSI NEAR BOILER |
| L64-264 | BSI207BNPS0 BOILER 207K   |
| L64-271 | 113164-02 PIPING KIT      |
| L64-265 | BSI241BNPS0 BOILER 241K   |
| L64-271 | 113164-02 PIPING KIT      |
| L64-266 | BSI276BNPS0 BOILER 276K   |
| L64-271 | 113164-02 PIPING KIT      |

### KINGSTON II



| PRODUCT | DESCRIPTION              |
|---------|--------------------------|
| L64-341 | KSC-075-ZLP11 BOILER     |
| L83-347 | 112227-01 BURNER BECKETT |
| L64-342 | KSC-075-ZTP11 BOILER     |
| L83-347 | 112227-01 BURNER BECKETT |
| L64-343 | KSC-120-ZLP11 BOILER     |
| L83-349 | 112228-01 BURNER BECKETT |
| L64-345 | KSC-120-ZTP11 BOILER     |
| L83-349 | 112228-01 BURNER BECKETT |
| L64-346 | KSC-175-ZTP11 BOILER     |
| L83-351 | 112229-01 BURNER BECKETT |



**Notes:** 1. Minimum radial distance around vent pipe and breeching for single-wall metal pipe vent connector, otherwise follow vent connector manufacturer's recommended clearances. 2. Add height required to maintain 6" clearance from all breeching components.

### AWR Space Heating Ratings



| Model   | Input <sup>(1)</sup><br>(MBH) | DOE Heating Capacity<br>(MBH) | Net AHRI Rating <sup>(2)</sup><br>(MBH) | AFUE% | Flue Collar Diameter | Water Content<br>(Gallons) | "W" Dimension<br>(Inches) | Approx. Shipping Weight<br>(lbs.) | Boiler Weight<br>(lbs) |
|---------|-------------------------------|-------------------------------|-----------------------------------------|-------|----------------------|----------------------------|---------------------------|-----------------------------------|------------------------|
| AWR038C | 38                            | 32                            | 28                                      | 84.0  | 4                    | 1                          | 13                        | 202                               | 143                    |
| AWR070C | 70                            | 59                            | 51                                      | 84.0  | 4                    | 2                          | 13                        | 254                               | 180                    |
| AWR105C | 105                           | 88                            | 77                                      | 84.0  | 5                    | 3                          | 16                        | 304                               | 231                    |
| AWR140C | 140                           | 117                           | 102                                     | 84.0  | 6                    | 4                          | 19                        | 357                               | 284                    |
| AWR175C | 175                           | 146                           | 127                                     | 84.0  | 6                    | 5                          | 22                        | 405                               | 332                    |
| AWR210C | 210                           | 176                           | 153                                     | 84.0  | 7                    | 6                          | 25                        | 462                               | 382                    |
| AWR245C | 245                           | 205                           | 178                                     | 84.0  | 7                    | 7                          | 28                        | 518                               | 438                    |
| AWR280C | 280                           | 234                           | 203                                     | 84.0  | 8                    | 8                          | 31                        | 564                               | 484                    |

All dimensions and specifications are subject to change without notice.

- Input ratings can be used for elevations up to 2000 ft. Refer to Appendix D in the IO&S Manual for ratings above 2000 ft.
- Net AHRI water ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping, etc.

### Fuel Conversion Kits

| Fuel              | Boiler       | Part Number |
|-------------------|--------------|-------------|
| LP to Natural Gas | 038          | 111301-01   |
|                   | 070 thru 175 | 108221-01   |
|                   | 210 thru 280 | 108222-01   |
| Natural Gas to LP | 038          | 111302-01   |
|                   | 070 thru 175 | 106687-01   |
|                   | 210 thru 280 | 106688-01   |

### Altitude Conversion Kits\*

| Fuel              | Boiler       | Part Number |
|-------------------|--------------|-------------|
| Natural Gas       | 070 thru 280 | 112461-01   |
| LP Gas            | 070 thru 280 | 112462-01   |
| Nat Gas to LP Gas | 070 thru 175 | 112761-01   |
| Nat Gas to LP Gas | 210 thru 280 | 112762-01   |

\* Required for AWR070C - AWR280C installed between 5401 ft. and 10100 ft.  
**DO NOT INSTALL AWR038C ABOVE 2000 ft.**



# PHANTOM II

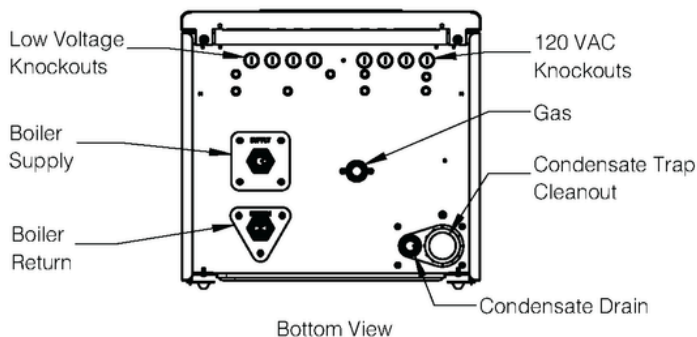
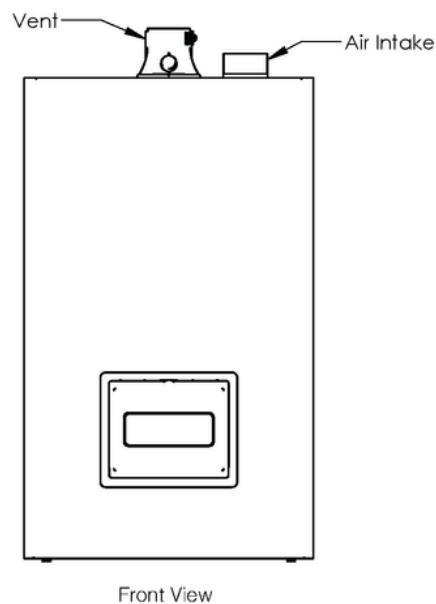
## TECHNICAL SPECIFICATIONS

### STANDARD EQUIPMENT

- Stainless steel heat exchanger
- Boiler Circulator (Shipped loose)
- Adaptive Combustion System
  - Burner-Blower-Gas Valve & Venturi assembly
  - Large key control pad with local user display
  - Built-in self-diagnostics
  - Rate based outdoor reset (no sensor required)
- Pre-installed hanging bracket and wall mount kit.
- Vent connection for CPVC/PVC, polypropylene vent
- Approved for installation 0-10.100 ft., natural or LP gas

### OPTIONAL EQUIPMENT

- CPVC/PVC vent kit
  - 2" Vent Kit (P/N 107039-01)
  - 3" Vent Kit (P/N 107039-02)
- Floor Stand Kit (P/N 111576-01)
- LP Electrode Kit (P/N 111745-01) Required for installation above 2,001', Models PHTM2150H and PHTM2180H
- Heat Only Primary/Secondary Header (P/N 111884-01)



| Space Heating Ratings |                          |     |  |                                    |      | Dimensions and Connections |            |             |                                 |         | Shipping Weight<br>(lbs) |
|-----------------------|--------------------------|-----|-------------------------------------------------------------------------------------|------------------------------------|------|----------------------------|------------|-------------|---------------------------------|---------|--------------------------|
| Model                 | Input <sup>1</sup> (MBH) |     | DOE Heating Capacity (MBH)                                                          | AHRI Net Rating <sup>2</sup> (MBH) | AFUE | Depth (in)                 | Width (in) | Height (in) | Space Heating Water sweat, (in) | Gas NPT |                          |
|                       | Min                      | Max |                                                                                     |                                    |      |                            |            |             |                                 |         |                          |
| PHTM2080H             | 8 <sup>3</sup>           | 80  | 75                                                                                  | 65                                 | 95.0 | 16.3                       | 17.8       | 29.8        | 1                               | 1/2     | 107                      |
| PHTM2120H             | 13.6                     | 120 | 112                                                                                 | 97                                 | 95.0 | 16.3                       | 17.8       | 29.8        | 1                               | 1/2     | 112                      |
| PHTM2150H             | 20                       | 150 | 141                                                                                 | 123                                | 95.0 | 20.4                       | 17.8       | 29.8        | 1                               | 1/2     | 132                      |
| PHTM2180H             | 20                       | 180 | 169                                                                                 | 147                                | 95.0 | 20.4                       | 17.8       | 29.8        | 1                               | 1/2     | 132                      |

<sup>1</sup> Input for elevations up to 2,000 ft. with min vent length. See Table 3-3 for vent diameter connection sizes and derate at max vent length.

<sup>2</sup> Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.

<sup>3</sup> For altitudes above 2,000 ft., PHNTM2080H minimum input increased to 10 MBH.



## COMBI BOILERS

### NCB-H / NFC-H COMBI BOILERS

HIGH EFFICIENCY - COMPACT DESIGN - RELIABLE PERFORMANCE

Navien combi boilers combine space heating and domestic hot water in one compact unit. Condensing technology and stainless steel heat exchangers provide efficient, durable performance. Built-in DHW production delivers continuous hot water while simplifying installation.

- **EFFICIENCY** 95% AFUE
- **HOT WATER** BUILT-IN DHW PRODUCTION
- **CONSTRUCTION** STAINLESS STEEL HEAT EXCHANGER
- **FUEL / VENTING** NG/LP CONVERTIBLE - PVC VENTING



## COMBI BOILER LINEUP

#### N99-401 COMBI BOILER

NCB190/060H



**HEATING**  
60,000 BTU/H

**DHW**  
199,900 BTU/H

**EFFICIENCY**  
95% AFUE

**EXCHANGER**  
STAINLESS STEEL

**FUEL**  
NATURAL GAS / LP

**CERTIFIED**  
ENERGY STAR

#### N99-402 COMBI BOILER

NCB190/080H



**HEATING**  
80,000 BTU/H

**DHW**  
199,900 BTU/H

**EFFICIENCY**  
95% AFUE

**EXCHANGER**  
STAINLESS STEEL

**FUEL**  
NATURAL GAS / LP

**CERTIFIED**  
ENERGY STAR

#### N99-403 COMBI BOILER

NCB240/110H



**HEATING**  
110,000 BTU/H

**DHW**  
199,900 BTU/H

**EFFICIENCY**  
95% AFUE

**EXCHANGER**  
STAINLESS STEEL

**FUEL**  
NATURAL GAS / LP

**CERTIFIED**  
ENERGY STAR

#### N99-404 COMBI BOILER

NCB240/130H



**HEATING**  
130,000 BTU/H

**DHW**  
199,900 BTU/H

**EFFICIENCY**  
95% AFUE

**EXCHANGER**  
STAINLESS STEEL

**FUEL**  
NATURAL GAS / LP

**CERTIFIED**  
ENERGY STAR

#### N99-405 COMBI BOILER

NCB250/150H



**HEATING**  
150,000 BTU/H

**DHW**  
199,900 BTU/H

**EFFICIENCY**  
95% AFUE

**EXCHANGER**  
STAINLESS STEEL

**FUEL**  
NATURAL GAS / LP

**CERTIFIED**  
ENERGY STAR

#### N99-407 COMBI BOILER

NFC250/200H



**HEATING**  
180,000 BTU/H

**DHW**  
199,900 BTU/H

**EFFICIENCY**  
95% AFUE

**EXCHANGER**  
STAINLESS STEEL

**FUEL**  
NATURAL GAS / LP

**CERTIFIED**  
ENERGY STAR

UP TO 95% AFUE

STAINLESS STEEL

ENDLESS HOT WATER

EASY PVC VENTING

NG/LP CONVERTIBLE

ENERGY STAR

# QuickFacts



## NCB-H Series Combi-boilers

### Ratings & Specifications

|                              | Model         |               |               |               |               |
|------------------------------|---------------|---------------|---------------|---------------|---------------|
|                              | NCB-190/060H  | NCB-190/080H  | NCB-240/110H  | NCB-240/130H  | NCB-250/150H  |
| <b>Product Approvals</b>     |               |               |               |               |               |
| CSA                          | Yes           | Yes           | Yes           | Yes           | Yes           |
| SCAQMD 1146.2 (NOx, <20 ppm) | Yes           | Yes           | Yes           | Yes           | Yes           |
| Low lead (<0.25%, DHW only)  | Yes           | Yes           | Yes           | Yes           | Yes           |
| ASME                         | Yes "H" stamp | Yes "H" stamp | Yes "H" stamp | Yes "H" stamp | Yes "H" stamp |
| AHRI Number                  | 205661696     | 205661697     | 205400817     | 205400818     | 205400819     |
| Energy Star                  | Yes           | Yes           | Yes           | Yes           | Yes           |
| <b>Space Heating Ratings</b> |               |               |               |               |               |
| AFUE, %                      | 95.0          | 95.0          | 95.0          | 95.0          | 95.0          |
| Heating Capacity, BTU/H      | 56,000        | 74,000        | 102,000       | 120,000       | 138,000       |

### Applications

| Air Handler                                                                                                                           | Closed Loop Hydronic Heating Systems |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| For NCB-H technical drawings of specific installations and requirements please visit <a href="http://NavienInc.com">NavienInc.com</a> |                                      |

### Heating Input Ranges

| Model        | Heating (BTU/H) | DHW (BTU/H)    |
|--------------|-----------------|----------------|
| NCB-190/060H | 11,000–60,000   | 10,700–160,000 |
| NCB-190/080H | 11,000–80,000   |                |
| NCB-240/110H | 13,000–110,000  | 13,300–199,900 |
| NCB-240/130H | 13,000–130,000  |                |
| NCB-250/150H | 14,000–150,000  | 14,000–210,000 |

### Temperature Range Settings

| Item          | Temperature Range °F (°C) | Remarks                                                                                   |
|---------------|---------------------------|-------------------------------------------------------------------------------------------|
| Space Heating | Supply 77–185 (25–85)     | Actual supply and return temperatures vary depending on the selected outdoor reset curve. |
|               | Return 68–158 (20–70)     |                                                                                           |
| DHW           | 86–140 (30–60)            |                                                                                           |

### Warranty

| Type           | Residential Single Family Use Only |
|----------------|------------------------------------|
| Heat exchanger | 10 year                            |
| Parts*         | 5 year                             |
| Labor          | 1 year                             |

\*Includes DHW flat plate HX.

### Product Features

DUAL SS HX FOR HEATING & SEPARATE SS HX FOR DHW

TDR UP TO 11:1 HTG 15:1 DHW

2" VENT UP TO 65 FEET & 1" GAS UP TO 24 FEET

NG or LP FIELD GAS CONVERTIBLE

3 ZONES VALVES or PUMPS

ADVANCED USER INTERFACE

AFUE 95.0%

### NCB-H: The Inside Story

#### New built-in DHW module now with higher performance

Navien's NCB-H can generate enough hot water to run up to 3 showers and a dishwasher at the same time

DHW module is easily accessible behind circuitry/control panel

Integrated boiler pump  
Flow adjustment valve  
DHW stainless steel heat exchanger. Up to 5.4 GPM @ 70°F temp. rise. The highest flow rate in the industry

Mixing valve  
3-way valve

2" air intake venting (including schedule 40 PVC)  
Pressure relief valve adapter

Heavy duty fan and motor  
Dual Venturi for easy field gas conversions from NG to LP  
Powder-coated enamel metal housing  
Negative pressure regulating gas valve

2" venting up to 65' (including schedule 40 PVC)  
Vent Installation Detector (VID)

Primary stainless steel heat exchanger  
Fully modulating metal fiber premix burner  
Secondary stainless steel heat exchanger

#### Advanced user interface with Setup Wizard

Navien's new backlit control panel is simple and intuitive to use with its plain text display and an innovative click wheel that improves usability for all information input

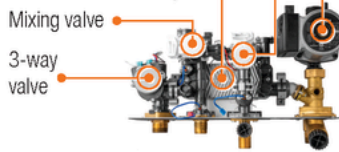
#### Built-in control for 3-zone pumps or 3-zone valves

Connections are powered, not just dry contact relays. The supplied power by PCB board is 120VAC for zone pumps and 24VAC for zone valves

Integrated boiler pump  
DHW cold water inlet

Space heating return  
Auto feeder inlet (make-up water)  
1/2" gas pipe capable up to 24'

Space heating supply  
DHW hot water outlet



## NHB HEATING BOILERS

### NHB SERIES

HIGH EFFICIENCY • STAINLESS STEEL • COMPACT INSTALLATION

**Built for performance. Engineered for reliability.**

- Up to 95% AFUE efficiency
- Advanced stainless steel heat exchanger
- Compact footprint for easy installation
- Low NOx – SCAQMD Rule 1146.2 compliant
- Natural Gas (LP conversion kit available)
- ENERGY STAR® certified



**UP TO 95% AFUE**

HIGH-EFFICIENCY HEATING

## NHB HEATING BOILER LINEUP

### L62-257 NHB-55H



|            |                 |
|------------|-----------------|
| INPUT      | 55,000 BTU/H    |
| OUTPUT     | 52,250 BTU/H    |
| EFFICIENCY | UP TO 95% AFUE  |
| TURNDOWN   | 10:1 RATIO      |
| GAS        | 3/4" CONNECTION |
| VENTING    | 3" PVC          |
| CERTIFIED  | ENERGY STAR®    |

### L62-258 NHB-80H



|            |                 |
|------------|-----------------|
| INPUT      | 80,000 BTU/H    |
| OUTPUT     | 76,000 BTU/H    |
| EFFICIENCY | UP TO 95% AFUE  |
| TURNDOWN   | 10:1 RATIO      |
| GAS        | 3/4" CONNECTION |
| VENTING    | 3" PVC          |
| CERTIFIED  | ENERGY STAR®    |

### L62-259 NHB-110H



|            |                 |
|------------|-----------------|
| INPUT      | 110,000 BTU/H   |
| OUTPUT     | 104,500 BTU/H   |
| EFFICIENCY | UP TO 95% AFUE  |
| TURNDOWN   | 10:1 RATIO      |
| GAS        | 3/4" CONNECTION |
| VENTING    | 3" PVC          |
| CERTIFIED  | ENERGY STAR®    |

### L62-260 NHB-150H



|            |                 |
|------------|-----------------|
| INPUT      | 150,000 BTU/H   |
| OUTPUT     | 142,500 BTU/H   |
| EFFICIENCY | UP TO 95% AFUE  |
| TURNDOWN   | 10:1 RATIO      |
| GAS        | 3/4" CONNECTION |
| VENTING    | 3" PVC          |
| CERTIFIED  | ENERGY STAR®    |

**COMPACT. EFFICIENT. BUILT TO PERFORM.**



# QuickFacts

## NHB-H Series



### Condensing Boilers

#### Navien Certification Summary

|                              | Model         |               |               |               |
|------------------------------|---------------|---------------|---------------|---------------|
|                              | NHB-55H       | NHB-80H       | NHB-110H      | NHB-150H      |
| Product Approvals            |               |               |               |               |
| CSA                          | Yes           | Yes           | Yes           | Yes           |
| SCAQMD 1146.2 (NOx, <20 ppm) | Yes           | Yes           | Yes           | Yes           |
| ASME                         | Yes "H" stamp | Yes "H" stamp | Yes "H" stamp | Yes "H" stamp |
| AHRI Number                  | 213313053     | 213313054     | 213313055     | 213313056     |
| Energy Star                  | Yes           | Yes           | Yes           | Yes           |
| Space Heating Ratings        |               |               |               |               |
| AFUE, %                      | 95.0          | 95.0          | 95.0          | 95.0          |
| Heating Capacity, MBH        | 51            | 74            | 102           | 138           |

#### Gas Input Ranges

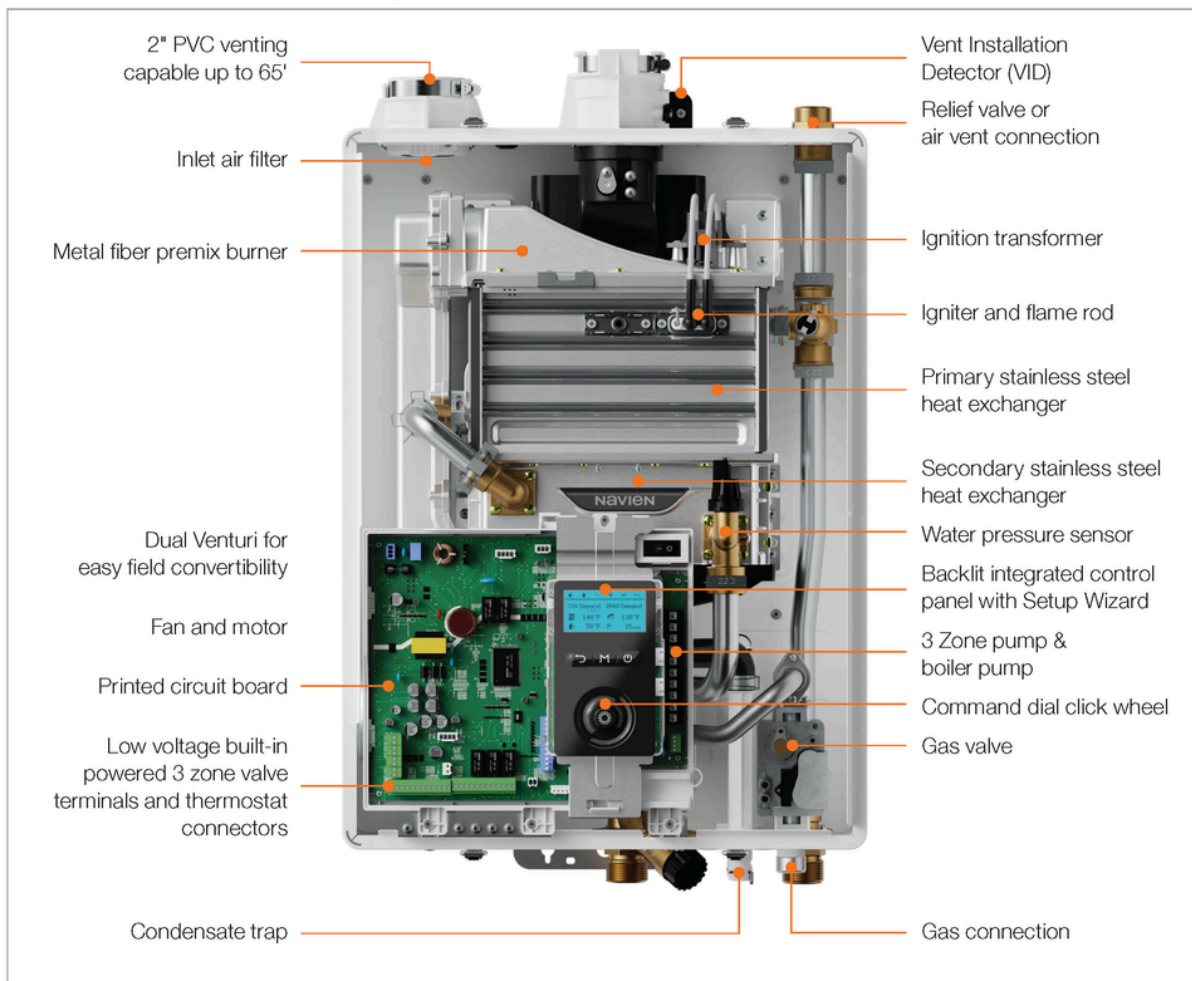
| Model    | Range (BTU/h)  | TDR  |
|----------|----------------|------|
| NHB-55H  | 8,000–55,000   | 7:1  |
| NHB-80H  | 8,000–80,000   | 10:1 |
| NHB-110H | 10,000–110,000 | 11:1 |
| NHB-150H | 10,000–150,000 | 15:1 |

#### Warranty

| Type            | Residential*             | Commercial               |
|-----------------|--------------------------|--------------------------|
| Heat exchangers | 15 year limited warranty | 10 year limited warranty |
| Parts           | 5 years                  | 3 years                  |
| Labor           | 1 year                   | 1 year                   |

\*Applies to single family residential locations.  
For complete details please refer to the full warranty at [Navieninc.com](http://Navieninc.com).

#### NHB-H: The Inside Story



#### Product Features

**DUAL** STAINLESS STEEL HEAT EXCHANGERS

ADVANCED USER INTERFACE

TDR **UP TO 15:1**

**2"–3" VENTING** LONG DISTANCES

**NG or LP** FIELD GAS CONVERTIBLE

**3 ZONES** VALVES or PUMPS

**AFUE 95.0%**

# NPE TANKLESS WATER HEATERS

## NPE SERIES

ENDLESS HOT WATER • MAXIMUM EFFICIENCY • PREMIUM CONDENSING

### Endless hot water. Maximum efficiency.

- Up to 0.96 UEF for superior energy savings
- Stainless steel heat exchanger for long-lasting durability
- Built-in recirculation pump on A2 models
- Wi-Fi compatible with Navien Smart App
- Easy installation with Common Venting up to 60'
- Natural Gas / LP convertible
- ENERGY STAR® certified



UP TO 0.96 UEF

PREMIUM EFFICIENCY

## NPE TANKLESS WATER HEATER LINEUP

### N99-204 NPE150S2

**MAX**  
150,000 BTU/H

**FLOW**  
UPTO5.6 GPM

**EFF.**  
0.95UEF

**FUEL**  
NG / LP CONVERTIBLE

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

### N99-205 NPE180S2

**MAX**  
180,000 BTU/H

**FLOW**  
UPTO6.6 GPM

**EFF.**  
0.95 UEF

**FUEL**  
NG / LP CONVERTIBLE

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

### N99-206 NPE210S2

**MAX**  
199,900 BTU/H

**FLOW**  
UPTO7.6 GPM

**EFF.**  
0.95 UEF

**FUEL**  
NG / LP CONVERTIBLE

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

### N99-207 NPE240S2

**MAX**  
199,900 BTU/H

**FLOW**  
UPTO8.4 GPM

**EFF.**  
0.95 UEF

**FUEL**  
NG / LP CONVERTIBLE

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

### N99-208 NPE180A2

**MAX**  
180,000 BTU/H

**FLOW**  
UPTO6.6 GPM

**EFF.**  
0.96 UEF

**PUMP**  
BUILT-IN RECIRC.

**FUEL**  
NG / LP

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

### N99-209 NPE210A2

**MAX**  
199,900 BTU/H

**FLOW**  
UPTO7.6 GPM

**EFF.**  
0.96 UEF

**PUMP**  
BUILT-IN RECIRC.

**FUEL**  
NG / LP

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

### N99-210 NPE240A2

**MAX**  
199,900 BTU/H

**FLOW**  
UPTO8.4 GPM

**EFF.**  
0.96 UEF

**PUMP**  
BUILT-IN RECIRC.

**FUEL**  
NG / LP

**CERT.**  
ENERGY STAR®

**WI-FI**  
COMPATIBLE

UP TO 0.96 UEF

STAINLESS STEEL

ENDLESS HOT WATER

COMMON VENTING

NG/LP CONVERTIBLE

WI-FI COMPATIBLE



## NPE-2 Series Tankless Water Heaters

**Navien Certification Summary** Note: all NPE-2 models are field convertible from NG to LP gas

| Model        | Product Approvals |                  |                   |                             |             |             | Efficiency Ratings*         |                           | Annual Energy Consumption* (Residential) |                        |                            |
|--------------|-------------------|------------------|-------------------|-----------------------------|-------------|-------------|-----------------------------|---------------------------|------------------------------------------|------------------------|----------------------------|
|              | CSA               | NSF (Standard 5) | Low Lead (<0.25%) | SCAQMD 1146.2 (NOx, <20ppm) | AHRI Number | Energy Star | Uniform Energy Factor (UEF) | Max GPM (L/m) (67°F Rise) | Natural Gas (Therms/Year)                | Propane (Gallons/Year) | Estimated Operating Cost** |
| NPE-180A2-NG | Yes               | Yes              | Yes               | Yes                         | 206368357   | Yes         | 0.95                        | 4.3 (16)                  | 179                                      |                        | \$195                      |
| NPE-180A2-LP | Yes               | Yes              | Yes               | Yes                         | 206368357   | Yes         | 0.95                        | 4.3 (16)                  |                                          | 196                    | \$472                      |
| NPE-210A2-NG | Yes               | Yes              | Yes               | Yes                         | 206368358   | Yes         | 0.95                        | 5.1 (19)                  | 179                                      |                        | \$195                      |
| NPE-210A2-LP | Yes               | Yes              | Yes               | Yes                         | 206368358   | Yes         | 0.95                        | 5.1 (19)                  |                                          | 196                    | \$472                      |
| NPE-240A2-NG | Yes               | Yes              | Yes               | Yes                         | 206368359   | Yes         | 0.95                        | 5.6 (21)                  | 179                                      |                        | \$195                      |
| NPE-240A2-LP | Yes               | Yes              | Yes               | Yes                         | 206368359   | Yes         | 0.95                        | 5.6 (21)                  |                                          | 196                    | \$472                      |
| NPE-150S2-NG | Yes               | Yes              | Yes               | Yes                         | 206423843   | No          | 0.93                        | 3.4 (13)                  | 120                                      |                        | \$131                      |
| NPE-150S2-LP | Yes               | Yes              | Yes               | Yes                         | 206423843   | No          | 0.93                        | 3.4 (13)                  |                                          | 131                    | \$316                      |
| NPE-180S2-NG | Yes               | Yes              | Yes               | Yes                         | 206368360   | Yes         | 0.96                        | 4.4 (17)                  | 177                                      |                        | \$193                      |
| NPE-180S2-LP | Yes               | Yes              | Yes               | Yes                         | 206368360   | Yes         | 0.96                        | 4.4 (17)                  |                                          | 194                    | \$468                      |
| NPE-210S2-NG | Yes               | Yes              | Yes               | Yes                         | 206368361   | Yes         | 0.96                        | 5.3 (20)                  | 177                                      |                        | \$193                      |
| NPE-210S2-LP | Yes               | Yes              | Yes               | Yes                         | 206368361   | Yes         | 0.96                        | 5.3 (20)                  |                                          | 194                    | \$468                      |
| NPE-240S2-NG | Yes               | Yes              | Yes               | Yes                         | 206368362   | Yes         | 0.96                        | 5.8 (22)                  | 177                                      |                        | \$193                      |
| NPE-240S2-LP | Yes               | Yes              | Yes               | Yes                         | 206368362   | Yes         | 0.96                        | 5.8 (22)                  |                                          | 194                    | \$468                      |

\*Based on U.S. Department of Energy (DOE) test procedures.

\*\*Based on a national average natural gas cost of \$1.09/therm, propane cost of \$2.41/gallon.

### Temperature Rise (maximum output)

| Temp Rise (°F) | 150S2 GPM (L/m) | 180A2/S2 GPM (L/m) | 210A2/S2 GPM (L/m) | 240A2/S2 GPM (L/m) |
|----------------|-----------------|--------------------|--------------------|--------------------|
| 35             | 6.8 (26)        | 8.4 (32)           | 10.1 (38)          | 11.2 (42)          |
| 40             | 5.9 (22)        | 7.4 (28)           | 8.8 (33)           | 9.8 (37)           |
| 45             | 5.3 (20)        | 6.5 (25)           | 7.8 (30)           | 8.7 (33)           |
| 50             | 4.8 (18)        | 5.9 (22)           | 7.1 (27)           | 7.8 (30)           |
| 55             | 4.3 (16)        | 5.3 (20)           | 6.4 (24)           | 7.1 (27)           |
| 60             | 4.0 (15)        | 4.9 (19)           | 5.9 (22)           | 6.5 (25)           |
| 65             | 3.7 (14)        | 4.5 (17)           | 5.4 (20)           | 6.0 (23)           |
| 70             | 3.4 (13)        | 4.2 (16)           | 5.0 (19)           | 5.6 (21)           |
| 75             | 3.2 (12)        | 3.9 (15)           | 4.7 (18)           | 5.2 (20)           |
| 80             | 3.0 (11)        | 3.7 (14)           | 4.4 (17)           | 4.9 (19)           |
| 85             | 2.8 (11)        | 3.5 (13)           | 4.2 (16)           | 4.6 (17)           |
| 90             | 2.6 (10)        | 3.3 (12)           | 3.9 (15)           | 4.4 (17)           |
| 100            | 2.4 (9)         | 2.9 (11)           | 3.5 (13)           | 3.9 (15)           |
| 110            | 2.2 (8)         | 2.7 (10)           | 3.2 (12)           | 3.6 (14)           |
| 120            | 2.0 (8)         | 2.5 (9)            | 2.9 (11)           | 3.3 (12)           |
| 130            | 1.8 (7)         | 2.3 (9)            | 2.7 (10)           | 3.0 (11)           |
| 140            | 1.7 (6)         | 2.1 (8)            | 2.5 (9)            | 2.8 (11)           |

### DHW Capacity

| Models       | Natural Gas (BTU/H) | Propane Gas (BTU/H) |
|--------------|---------------------|---------------------|
| NPE-150S2    | 18,000–120,000      | 18,000–120,000      |
| NPE-180A2/S2 | 10,000–150,000      | 10,000–150,000      |
| NPE-210A2/S2 | 12,000–180,000      | 12,000–180,000      |
| NPE-240A2/S2 | 13,300–199,900      | 13,300–199,900      |

### Operating Cost

|                 |            |        |
|-----------------|------------|--------|
| Navien tankless | 179 therms | \$195* |
| Other tankless  | 209 therms | \$228* |
| Standard tank   | 269 therms | \$293* |

\*Based on Energy Guide cost estimates using \$1.09 per therm of natural gas. Cost is in US dollars.

### Warranty

| Application                      |                                                   | Labor  | Parts   | Heat Exchanger |
|----------------------------------|---------------------------------------------------|--------|---------|----------------|
| Residential                      | Standard or controlled recirculation <sup>2</sup> | 1 year | 5 years | 15 years       |
|                                  | Uncontrolled recirculation <sup>3</sup>           | 1 year | 3 years | 5 years        |
| Commercial or Combi <sup>1</sup> | Standard or controlled recirculation <sup>2</sup> | 1 year | 5 years | 8 years        |
|                                  | Uncontrolled recirculation <sup>3</sup>           | 1 year | 3 years | 3 years        |

<sup>1</sup>Combi refers to a combination potable water and space heating application. Water heaters cannot be used in space heating only applications.

<sup>2</sup>Controlled-Recirculation: Recirculation through the water heater is controlled by either the water heater or an external aquastat.

<sup>3</sup>Uncontrolled-Recirculation: External pumps configured to circulate continuously through the water heater are subject to the uncontrolled recirculation warranty terms. An aquastat is the minimum pump control requirement for DHW or storage tank recirculation in order to maintain the full controlled recirculation warranty.

For complete details please refer to the full warranty at Navieninc.com.

### U.S. Green Building Council LEED Points\*

| Water Heater | Location | Recirculation |
|--------------|----------|---------------|
| 1.5 Points   | 2 Points | 3 Points      |

### Lower HERS Home Index Score\*

\*Please consult your Energy/LEED consultant.

### Product Features



# PENNCO 15B GAS-FIRED WATER HEATING BOILERS

CAST IRON • HIGH EFFICIENCY • DURABLE & RELIABLE

## 15B SERIES

Gas-fired water heating boilers built for dependable hydronic performance.

- Cast iron heat exchanger
- High efficiency performance
- Durable and reliable construction
- Seven input capacities from 60,000 to 235,000 BTU/H



15B SERIES

GAS-FIRED WATER HEATING

## 15B BOILER LINEUP

### 15B-060K

GAS-FIRED WATER HEATING BOILER



INPUT  
60,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

### 15B-095K

GAS-FIRED WATER HEATING BOILER



INPUT  
95,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

### 15B-120K

GAS-FIRED WATER HEATING BOILER



INPUT  
120,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

### 15B-150K

GAS-FIRED WATER HEATING BOILER



INPUT  
150,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

### 15B-175K

GAS-FIRED WATER HEATING BOILER



INPUT  
175,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

### 15B-205K

GAS-FIRED WATER HEATING BOILER



INPUT  
205,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

### 15B-235K

GAS-FIRED WATER HEATING BOILER



INPUT  
235,000 BTU/H

EXCHANGER  
CAST IRON

PERFORMANCE  
HIGH EFFICIENCY

CONSTRUCTION  
DURABLE & RELIABLE

60K-235K INPUT

CAST IRON

GAS-FIRED

HIGH EFFICIENCY

RELIABLE DESIGN

HYDRONIC HEATING

# AO SMITH GAS WATER HEATERS

## AO SMITH WATER HEATERS

40 & 50 GALLON • NATURAL GAS • RESIDENTIAL

Residential gas water heaters for dependable domestic hot water.

- 40- and 50-gallon models
- Tall and short configurations represented in the lineup
- Natural-gas water heater models
- Six stocked product / manufacturer-number combinations



AO SMITH

GAS WATER HEATERS

## WATER HEATER LINEUP

**N98-658**

**GPVL-40NG**

GAS WATER HEATER



**CAPACITY**  
40 GALLON

**DESCRIPTION**  
GPVL-40NG WATER HEATR

**MFG NO.**  
GPVL-40NG

**FUEL**  
NATURAL GAS

**N98-717**

**GCR-40NG**

GAS WATER HEATER



**CAPACITY**  
40 GALLON • TALL

**DESCRIPTION**  
GCR-40NG 40GL TALLGAS WH

**MFG NO.**  
GCR-40NG

**FUEL**  
NATURAL GAS

**N98-723**

**GCRL-40NG**

GAS WATER HEATER



**CAPACITY**  
40 GALLON • SHORT

**DESCRIPTION**  
GCRL-40NG 40GL SHORT WH

**MFG NO.**  
GCRL-40NG

**FUEL**  
NATURAL GAS

**N98-662**

**GPVL-50NG**

GAS WATER HEATER



**CAPACITY**  
50 GALLON

**DESCRIPTION**  
GPVL-50NG WATER HEATR

**MFG NO.**  
GPVL-50NG

**FUEL**  
NATURAL GAS

**N98-718**

**GCG-50NG**

GAS WATER HEATER



**CAPACITY**  
50 GALLON • TALL

**DESCRIPTION**  
GCG-50NG 50GL TALLGAS WH

**MFG NO.**  
GCG-50NG

**FUEL**  
NATURAL GAS

**N98-664**

**GPVT-50NG**

GAS WATER HEATER



**CAPACITY**  
50 GALLON

**DESCRIPTION**  
GPVT-50NG WATER HEATR

**MFG NO.**  
GPVT-50NG

**FUEL**  
NATURAL GAS

40 GALLON

50 GALLON

TALL MODELS

SHORT MODEL

NATURAL GAS

AO SMITH

# COPPER STRAIGHT TUBE

## TYPE M HARD TEMPER STRAIGHT TUBE

10 FT LENGTHS - 1/2 IN. THROUGH 1-1/4 IN.

| PRODUCT # | JOHNSTONE # | DESCRIPTION                                                |
|-----------|-------------|------------------------------------------------------------|
| B99-184   | B99-184     | 1/2 in. x 10 ft. Copper Type M Hard Temper Straight Tube   |
| B99-185   | B99-185     | 3/4 in. x 10 ft. Copper Type M Hard Temper Straight Tube   |
| B99-186   | B99-186     | 1 in. x 10 ft. Copper Type M Hard Temper Straight Tube     |
| B99-187   | B99-187     | 1-1/4 in. x 10 ft. Copper Type M Hard Temper Straight Tube |



**viega**

## PRESS FITTINGS

### 90° ELBOW FITTINGS P x P



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 77317     | R57-490     | 1/2"      |
| 77022     | R58-324     | 3/4"      |
| 77027     | R58-325     | 1"        |
| 77032     | R57-494     | 1-1/4"    |

### 90° ELBOW FITTINGS P x FTG



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 77347     | R57-498     | 1/2"      |
| 77052     | R58-329     | 3/4"      |
| 77057     | R58-330     | 1"        |
| 77062     | R57-502     | 1-1/4"    |

### 45° ELBOW FITTINGS P x P



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 77607     | R57-508     | 1/2"      |
| 77023     | R58-334     | 3/4"      |
| 77028     | R58-335     | 1"        |
| 77033     | R57-512     | 1-1/4"    |

### 45° ELBOW FITTINGS P x FTG



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 77053     | R58-339     | 1/2"      |
| 77053     | R58-339     | 3/4"      |
| 77058     | R58-340     | 1"        |
| 77063     | R57-520     | 1-1/4"    |

### COUPLING WITH STOP P x P



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 78047     | R57-524     | 1/2"      |
| 78052     | R57-525     | 3/4"      |
| 78057     | R57-526     | 1"        |
| 78062     | R57-527     | 1-1/4"    |

### COUPLING - NO STOP P x P



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 78172     | R57-530     | 1/2"      |
| 78177     | R57-531     | 3/4"      |
| 78182     | R57-532     | 1"        |
| 78187     | R57-533     | 1-1/4"    |

### ADAPTER P x FPT



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 79300     | R57-542     | 1/2"      |
| 79315     | R57-544     | 3/4"      |
| 79330     | R57-545     | 1"        |
| 79350     | R57-546     | 1-1/4"    |

### ADAPTER P x MPT



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 79215     | R57-549     | 1/2"      |
| 79230     | R57-551     | 3/4"      |
| 79245     | R57-553     | 1"        |
| 79260     | R57-554     | 1-1/4"    |

### TEE P x P x P



| PRODUCT # | JOHNSTONE # | NOM. SIZE      |
|-----------|-------------|----------------|
| 77377     | R57-582     | 1/2"           |
| 77387     | R57-583     | 3/4"           |
| 77412     | R57-584     | 1"             |
| 77437     | R57-600     | 1 x 1 x 3/4"   |
| 77432     | R57-599     | 1 x 1 x 1-1/2" |
| 77442     | R57-585     | 1-1/4"         |

### REDUCER FTG x P



| PRODUCT # | JOHNSTONE # | NOM. SIZE   |
|-----------|-------------|-------------|
| 78077     | R57-570     | 3/4" x 1/2" |
| 78087     | R57-572     | 1" x 3/4"   |
| 78097     | R57-575     | 1-1/4" x 1" |

### CAP



| PRODUCT # | JOHNSTONE # | NOM. SIZE |
|-----------|-------------|-----------|
| 77712     | R57-634     | 1/2"      |
| 77717     | R57-635     | 3/4"      |
| 77727     | R57-637     | 1-1/4"    |



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Johnstone Supply  
Representative.

# THERMOCOUPLES & TUBING



## PILOT GENERATORS / WHITE RODGERS

White-Rodgers



| PRODUCT | DESCRIPTION            | MFG      |
|---------|------------------------|----------|
| L36-074 | G01A-506WR GENERATOR   | G01A-506 |
| L36-075 | G01A-505 PWR GENERATOR | G01A-505 |

## RESIDEO - GENERATORS / THERMOCOUPLES

resideo



| PRODUCT | DESCRIPTION            | MFG         |
|---------|------------------------|-------------|
| L36-923 | Q313A1170/U GENERATOR  | Q313A1170/U |
| L47-618 | Q313U3000/U THERMOPILE | Q313U3000/U |

## PILOT BURNER TUBING / BASO



| PRODUCT | DESCRIPTION         | MFG       |
|---------|---------------------|-----------|
| L39-520 | Y99AR-1HJTUBING KIT | Y99AR-1HJ |

## ROBERTSHAW

Robertshaw



| PRODUCT | DESCRIPTION         | MFG    |
|---------|---------------------|--------|
| B11-763 | 11-293 ALUM TUBE    | 11-293 |
| L47-984 | 90-043 PILOT TUBING | 90-043 |

## RESIDEO - THERMOCOUPLES

resideo



| PRODUCT | DESCRIPTION              | MFG         |
|---------|--------------------------|-------------|
| L36-911 | Q340A1074/U THERMOCOUPLE | Q340A1074/U |
| L36-912 | Q340A1090/U THERMOCOUPLE | Q340A1090/U |
| L37-020 | Q340A1066/U THERMOCOUPLE | Q340A1066/U |
| L37-021 | Q340A1082/U THERMOCOUPLE | Q340A1082/U |
| L37-022 | Q340A1108/U THERMOCOUPLE | Q340A1108/U |

## THERMOCOUPLES / BASO



| PRODUCT | DESCRIPTION              | MFG        |
|---------|--------------------------|------------|
| L47-688 | K17AT-18HJ 18IN THERMCPL | K17AT-18HJ |
| L47-689 | K17AT-L4HJ 24IN THERMCPL | K17AT-24HJ |
| L47-690 | K17AT-30HJ 30IN THERMCPL | K17AT-30HJ |
| L47-691 | K17AT-36HJ 36IN THERMCPL | K17AT-36HJ |
| L47-692 | K17AT-48HJ 48IN THERMCPL | K17AT-48HJ |
| L47-694 | K17AT-72HJ 72IN THERMCPL | K17AT-72HJ |

## PILOT GENERATORS / WHITE RODGERS

White-Rodgers



| PRODUCT | DESCRIPTION            | MFG      |
|---------|------------------------|----------|
| L36-074 | G01A-506WR GENERATOR   | G01A-506 |
| L36-075 | G01A-505 PWR GENERATOR | G01A-505 |

## RESIDEO - GENERATORS / THERMOCOUPLES

resideo



| PRODUCT | DESCRIPTION            | MFG         |
|---------|------------------------|-------------|
| L36-923 | Q313A1170/U GENERATOR  | Q313A1170/U |
| L47-618 | Q313U3000/U THERMOPILE | Q313U3000/U |

## PILOT BURNER TUBING / BASO



| PRODUCT | DESCRIPTION         | MFG       |
|---------|---------------------|-----------|
| L39-520 | Y99AR-1HJTUBING KIT | Y99AR-1HJ |

## ROBERTSHAW

Robertshaw



| PRODUCT | DESCRIPTION         | MFG    |
|---------|---------------------|--------|
| B11-763 | 11-293 ALUM TUBE    | 11-293 |
| L47-984 | 90-043 PILOT TUBING | 90-043 |



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# EXPANSION TANKS & TRIM KITS

## EXPANSION TANKS & TRIM KITS



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| PRODUCT | DESCRIPTION              | MFG              |
|---------|--------------------------|------------------|
| L82-543 | TK30PV100PNKP/U TRIM KIT | TK30PV100PNKP/U  |
| L82-544 | TK30PV125PNKP/U TRIM KIT | TK30PV125PNKP/U  |
| R87-603 | TK30PV100FM/U TRIM KIT   | TK30PV100FM/U    |
| R87-605 | TK30PV125FM/U TRIM KIT   | TK30PV125FM/U    |
| R87-604 | TK30PV100SFM/U TRIM KIT  | TK30PV100SFM/U/U |

# AIR SCOOPS & AIR SEPARATORS

## AIR SCOOPS & AIR SEPARATORS - AIR MANAGEMENT / TACO & AMTROL



TacoAMTROL

| PRODUCT | DESCRIPTION           | MFG      |
|---------|-----------------------|----------|
| L51-017 | PV100P/U PRO PRESS    | PV100P/U |
| L51-018 | PV125P/U PRO PRESS    | PV125P/U |
| R55-617 | PV100U AIR ELIMINATOR | PV100U   |
| R55-619 | PV125U AIR ELIMINATOR | PV125U   |

# RELIEF VALVES

## 3/4 INCH RELIF VALVES / WATTS



WATTS

| PRODUCT | DESCRIPTION                                  | MFG     |
|---------|----------------------------------------------|---------|
| R55-746 | 3/4" PRESSURE SAFETY RELIEF VALVE            | 0342692 |
| R55-747 | 3/4" PRESSURE SAFETY RELIEF VALVE            | 0342691 |
| R54-684 | 3/4" IRON BOILER PRESSURE RELIEF VALVE       | F358553 |
| R56-813 | 3/4" X 3/4" BRONZE STEAM SAFETY RELIEF VALVE | 0342629 |

# PILOT BURNERS

## PILOT BURNERS



resideo

| PRODUCT | DESCRIPTION              | MFG       |
|---------|--------------------------|-----------|
| L39-045 | Q314A4586/U PILOT BURNER | Q314A4586 |
| L39-046 | Q314A6094/U PILOT BURNER | Q314A6094 |
| L39-047 | Q314A6102/U PILOT BURNER | Q314A6102 |

## UNIVERSAL PILOT BURNERS



resideo

| PRODUCT | DESCRIPTION              | MFG        |
|---------|--------------------------|------------|
| L46-516 | Q314U1001/U PILOT BURNER | Q314U1001  |
| L46-517 | Q345U1005/U PILOT BURNER | Q345U1005  |
| L46-518 | Q348U1009/U PILOT BURNER | Q348U1009  |
| L46-519 | Q3451U1000/UPILOTBURNER  | Q3451U1000 |

# AIR VENTS

## AIR VENTS - MAID-O-MIST, TACO & RESIDEO



MAIDOMISTTacoresideo

| PRODUCT | DESCRIPTION              | MFG       |
|---------|--------------------------|-----------|
| L37-203 | MOM67 VENT AIR 1/8IN     | MOM67     |
| L37-314 | MOM71 VENT AIR 1/4IN     | MOM71     |
| L37-315 | MOM75 VENT AIR 1/2IN FPT | MOM75     |
| L41-572 | 401440 #40 STEAM VENT    | 401440    |
| L41-609 | 400-4 VENT AIR 1/8IN NPT | 400-4     |
| L37-830 | EA79A1004 IND AIR VENT   | EA79A1004 |
| L38-332 | FV180/U AIR VENT         | FV180/U   |

# GAS COCKS

## GAS COCKS 1/2 INCH & 3/4



resideo

| PRODUCT | DESCRIPTION            | MFG    |
|---------|------------------------|--------|
| R54-015 | 0545003BALLVALVE 1/2IN | 545003 |
| R54-016 | 0545005BALLVALVE 3/4IN | 545005 |

# MIXING VALVES

## MIXING VALVES 1/2 - 3/4



resideo

| PRODUCT | DESCRIPTION                                    | MFG            |
|---------|------------------------------------------------|----------------|
| L49-346 | 3/4" UNION PROPPRESS LEAD-FREE                 | AM101-UP-1LF/U |
| L49-349 | 3/4" UNION PROPPRESS LEAD-FREE                 | AM101R-UP-1/U  |
| L52-167 | 1/2" SWEAT UNION MIXING VALVE                  | AM100R-US-1/U  |
| R56-908 | 1/2" LEAD FREE SERIES MIXING VALVE NPT         | AM100-1LF/U    |
| R56-912 | 3/4" LEAD FREE SERIES MIXING VALVE UNION SWEAT | AM101-US-1LF/U |
| R56-915 | 1" LEAD FREE SERIES MIXING VALVE NPT           | AM102-1LF/U    |

# IGNITION

## IGNITION CABLE



resideo

| PRODUCT | DESCRIPTION           | MFG       |
|---------|-----------------------|-----------|
| L37-085 | 394800-30/U CABLE KIT | 394800-30 |

## IGNITION MODULES



resideo

| PRODUCT | DESCRIPTION             | MFG        |
|---------|-------------------------|------------|
| L37-808 | S8610U3009/U MODULE     | S8610U3009 |
| L48-287 | S8910U3000/U HSI MODULE | S8910U3000 |

# THERMOSTATS

## RESIDEO MECHANICAL



| PRODUCT | DESCRIPTION                       | MFG       |
|---------|-----------------------------------|-----------|
| L41-487 | THE ROUND MERCURY-FREE THERMOSTAT | T87K1007  |
| L41-490 | HEATING/COOLING THERMOSTAT        | T812A1002 |

## RESIDEO NON PROGRAMMABLE



| PRODUCT | DESCRIPTION              | MFG            |
|---------|--------------------------|----------------|
| L45-011 | TH1100DV1000/U DG TSTAT  | TH1100DV1000/U |
| L51-909 | TH1110U4000/U THERMOSTAT | TH1110U4000    |

## WHITE ROGERS MECHANICAL



| PRODUCT | DESCRIPTION             | MFG      |
|---------|-------------------------|----------|
| L39-043 | HEATING ONLY THERMOSTAT | 1C20-102 |

## WHITE RODGERS NON-PROGRAMMABLE



| PRODUCT | DESCRIPTION                       | MFG        |
|---------|-----------------------------------|------------|
| L48-025 | EMERSON 4.5" DISPLAY CONVENTIONAL | 1F83C-11NP |

## PRO-1 NON-PROGRAMMABLE



| PRODUCT | DESCRIPTION                 | MFG  |
|---------|-----------------------------|------|
| L45-106 | NON-PROGRAMMABLE THERMOSTAT | T771 |

## STRAP-ON THERMOSTAT / JOHNSON CONTROLS



| PRODUCT | DESCRIPTION          | MFG       |
|---------|----------------------|-----------|
| L36-930 | A19DAC-1C THERMOSTAT | A19DAC-1C |

# AQUASTAT TEMPERATURE CONTROLS

## TRIPLE AQUASTAT RELAYS



| PRODUCT | DESCRIPTION                 | MFG        |
|---------|-----------------------------|------------|
| L37-826 | TRIPLE AQUASTAT® RELAY 120V | L8124A1007 |
| L39-951 | TRIPLE AQUASTAT® RELAY 24V  | L8124E1016 |

## AQUASTAT RELAYS



| PRODUCT | DESCRIPTION           | MFG          |
|---------|-----------------------|--------------|
| L37-788 | L8148J1009 AQUASTAT   | L8148J1009/U |
| L39-035 | L8148A1017 AQUASTAT   | L8148A1017/U |
| L39-036 | L8148E1265/U AQUASTAT | L8148E1265/U |

## IMMERSION TYPE CONTROLLERS



| PRODUCT | DESCRIPTION                    | MFG        |
|---------|--------------------------------|------------|
| L36-917 | L6006A1145 AQUASTAT CONTROLLER | L6006A1145 |
| L39-030 | L6006C1018 AQUASTAT CONTROLLER | L6006C1018 |
| L39-939 | L4006H1004 AQUASTAT CONTROLLER | L4006H1004 |

## TRIPLE AQUASTAT RELAYS



| PRODUCT | DESCRIPTION      | MFG |
|---------|------------------|-----|
| L37-823 | 4431 PURGER      | 443 |
| L37-824 | 444 1-1/4 PURGER | 444 |

## IMMERSION WELLS



| PRODUCT | DESCRIPTION             | MFG     |
|---------|-------------------------|---------|
| L37-828 | 121371A/U WELL ASSEMBLY | 121371A |
| L37-829 | 121371B/U WELL ASSEMBLY | 121371B |



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# CIRCULATORS & ACCESSORIES

## CIRCULATORS / TACO



| PRODUCT | DESCRIPTION                       | MFG          |
|---------|-----------------------------------|--------------|
| L81-492 | CAST IRON 1/25HP 115V 1PH FLANGED | 007-F5-7IFC  |
| L82-017 | CAST IRON 1/25HP 120V 1PH 2-BOLT  | 007E-2F2     |
| L82-018 | CAST IRON 1/25HP 120V 1PH 4-BOLT  | 007E-2F4     |
| L86-128 | CAST IRON 1/25HP 115V 1PH FLANGED | 007-F5       |
| L86-344 | CAST IRON 1/8HP 115V 1PH FLANGED  | 0014-F1      |
| L87-210 | STAINLESS STEEL 1/25HP 115V 1PH   | 007-SF5      |
| L87-214 | CAST IRON 1/8HP 115V 1PH FLANGED  | 0010-F3-1IFC |

## TACO FLANGE SETS & GASKETS



| PRODUCT | DESCRIPTION                  | MFG       |
|---------|------------------------------|-----------|
| L37-402 | 110-251F FLANGESET CAST IRON | 110-251F  |
| L37-403 | 110-252F FLANGESET CAST IRON | 110-252F  |
| L37-404 | 110-253F FLANGESET CAST IRON | 110-253F  |
| L38-390 | 007-007RP GASKET FLANGE 2PK  | 007-007RP |

## BELL & GOSSETT FLANGE SETS



| PRODUCT | DESCRIPTION                      | MFG    |
|---------|----------------------------------|--------|
| L37-171 | FLANGE SIZE: 3/4"; TYPE: STEEL   | 101001 |
| L37-172 | FLANGE SIZE: 1"; TYPE: STEEL     | 101002 |
| L37-173 | FLANGE SIZE: 1-1/4"; TYPE: STEEL | 101003 |

## GRUNDFOS FLANGE SET



| PRODUCT | DESCRIPTION              | MFG    |
|---------|--------------------------|--------|
| L36-799 | 1" CAST IRON FLANGE PAIR | 519602 |

## CIRCULATORS / B&G / ARMSTRONG / GRUNDFOS



| PRODUCT | DESCRIPTION                                      | MFG         |
|---------|--------------------------------------------------|-------------|
| L86-074 | BOOSTER PUMP                                     | 106189      |
| L92-030 | ASTRO SERIES CIRCULATOR                          | ASTRO 230CI |
| L86-867 | 3-SPEED CIRCULATOR PUMP<br>HYDRONIC RECIRCULATOR | 59896341    |

## GENUINE BELL & GOSSETT MOTOR



| PRODUCT | DESCRIPTION                  | MFG    |
|---------|------------------------------|--------|
| S88-375 | GENUINE BELL & GOSSETT MOTOR | 111034 |

## BEARING ASSEMBLY



| PRODUCT | DESCRIPTION                                                             | MFG      |
|---------|-------------------------------------------------------------------------|----------|
| L80-966 | BEARING ASSEMBLY FOR IRON PUMPS;<br>APPLICATION: SERIES 100 IB, BI, NFI | 118844LF |

## PUMP COUPLERS



| PRODUCT | DESCRIPTION  | MFG    |
|---------|--------------|--------|
| L37-207 | PUMP COUPLER | 118473 |
| L37-206 | PUMP COUPLER | 118723 |
| L37-350 | PUMP COUPLER | 118705 |

# EXPANSION TANKS

## FLEXCON EXPANSION TANKS



| PRODUCT | DESCRIPTION                                          | MFG   |
|---------|------------------------------------------------------|-------|
| HTX15   | FLEXCON 15 EXPANSION TANK - 2 GALLON, PRE-CHARGED    | HTX15 |
| HTX30   | FLEXCON 30 EXPANSION TANK - 4.4 GALLON, PRE-CHARGED  | HTX30 |
| HTX60   | FLEXCON 60 EXPANSION TANK - 7.6 GALLON, PRE-CHARGED  | HTX60 |
| HTX90   | FLEXCON 90 EXPANSION TANK - 14.5 GALLON, PRE-CHARGED | HTX90 |



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# ZONE VALVES AND ZONING PANELS



## ZONE VALVES / TACO



| PRODUCT | DESCRIPTION                     | MFG      |
|---------|---------------------------------|----------|
| L37-499 | 571-2 VALVE ELECTRIC ZONE 3/4IN | 571-2    |
| L37-500 | 572-3 VALVE ELECTRIC ZONE 1IN   | 572-3    |
| L50-226 | Z075P2-2 VALVE ZONE 3/4IN PRESS | Z075P2-2 |

## ZONE VALVE CONTROLS / TACO



| PRODUCT | DESCRIPTION                   | MFG      |
|---------|-------------------------------|----------|
| L46-428 | ZVC403-5 CONTROL 3 ZONE VALVE | ZVC403-5 |
| L46-429 | ZVC404-5 CONTROL 4 ZONE VALVE | ZVC404-5 |
| L51-946 | ZVC406-5 CONTROL 6 ZONE VALVE | ZVC406-5 |

## SWITCHING RELAYS / RESIDEO



| PRODUCT | DESCRIPTION              | MFG          |
|---------|--------------------------|--------------|
| L37-916 | R845A1030/U SWITCH RELAY | R845A1030/U  |
| L36-918 | RA89A1074/U RELAY        | RA89A1074/U  |
| L36-919 | RA832A1066/U RELAY       | RA832A1066/U |

## SWITCHING RELAYS / TACO



| PRODUCT | DESCRIPTION              | MFG     |
|---------|--------------------------|---------|
| L52-304 | SR501-5 SWITCH RELAY 1ZN | SR501-5 |
| L52-305 | SR502-5 SWITCH RELAY 2ZN | SR502-5 |
| L52-306 | SR503-5 SWITCH RELAY 3ZN | SR503-5 |
| L46-423 | SR504-5 SWITCH RELAY 4ZN | SR504-5 |
| L51-945 | SR506-5 SWITCH RELAY 6ZN | SR506-5 |

## RESIDEO ZONE VALVES



| PRODUCT | DESCRIPTION             | MFG          |
|---------|-------------------------|--------------|
| L37-346 | V8043E1012U ZONE VALVE  | V8043E1012U  |
| L37-347 | V8043E1020U ZONE VALVE  | V8043E1020U  |
| L38-712 | V8043F1036U ZONE VALVE  | V8043F1036U  |
| L50-100 | V8043E1142U ZONE VLV    | V8043E1142U  |
| L51-875 | V8043E1172/U ZONE VALVE | V8043E1172/U |

## FAN CENTERS



| PRODUCT | DESCRIPTION                                                     | MFG        |
|---------|-----------------------------------------------------------------|------------|
| L40-031 | FAN COPRIMARY VOLTAGE: 120; SECONDARY VOLTAGE: 26.5NTROL CENTER | R828SD5001 |
| L37-811 | SPDT; PRIMARY VOLTAGE: 120; SECONDARY VOLTAGE: 24;              | 90-113     |
| L39-017 | PRIMARY VOLTAGE: 120/208/240; SECONDARY VOLTAGE: 24;            | 90-130     |

# RELAYS & TRANSFORMERS

## RELAYS / WHITE RODGERS



| PRODUCT | DESCRIPTION           | MFG     |
|---------|-----------------------|---------|
| L36-901 | 90-340 RELAY          | 90-340  |
| L36-902 | 90-341 RELAY          | 90-341  |
| L36-903 | 90-342 RELAY          | 90-342  |
| L36-904 | 90-290Q RELAY         | 90-290Q |
| L36-905 | 90-293Q RELAY         | 90-293Q |
| L37-096 | 90-294Q FAN RELAY     | 90-294Q |
| L37-098 | 90-370 HVY DUTY RELAY | 90-370  |
| L37-100 | 90-380 HVY DUTY RELAY | 90-380  |

## TRANSFORMERS / PACKARD



| PRODUCT | DESCRIPTION                | MFG      |
|---------|----------------------------|----------|
| G22-336 | PF42440 40VA TRANSFORMER   | PF42440  |
| L37-209 | PM12440 40VA TRANSFORMER   | PM12440  |
| L37-103 | PM44450 50VA TRANSFORMER   | PM44450  |
| L37-310 | PF52475 75VA TRANSFORMER   | PF52475  |
| L37-561 | PF524100 100VA TRANSFORMER | PF524100 |

## RESIDEO



| PRODUCT | DESCRIPTION              | MFG          |
|---------|--------------------------|--------------|
| L36-288 | AT72D1683/U TRANSFORMER  | AT72D1683/U  |
| L38-900 | AT150F1022/U TRANSFORMER | AT150F1022/U |
| L38-902 | AT175F1023/U TRANSFORMER | AT175F1023/U |



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# WATER FEEDERS

## PRESSURE REDUCING VALVES / TACO



| PRODUCT | DESCRIPTION                     | MFG   |
|---------|---------------------------------|-------|
| L41-607 | 329-3 1/2 IN NPT FASTFILL VALVE | 329-3 |

## FEED WATER PRESSURE REGULATOR / WATTS



| PRODUCT | DESCRIPTION             | MFG     |
|---------|-------------------------|---------|
| R54-572 | 0386423 1/2 IN VLV-THRD | 0386423 |
| R55-794 | 0386422 B1156F PRES REG | 0386422 |

## WATTS



| PRODUCT | DESCRIPTION             | MFG     |
|---------|-------------------------|---------|
| R56-669 | 0386462 1/2 IN B911S-M3 | 0386462 |

## WATER FEEDER (STEAM) / HYDRO LEVEL



| PRODUCT | DESCRIPTION              | MFG    |
|---------|--------------------------|--------|
| L42-938 | 45-026 VXT-24 WATER FEED | 45-026 |

# LOW WATER CUT-OFFS

## LOW WATER CUT-OFFS (LWCO) / HYDROLEVEL



| PRODUCT | DESCRIPTION           | MFG     |
|---------|-----------------------|---------|
| L42-931 | 48-1100 1100LWCO 24V  | 45-1100 |
| L42-933 | 45-550 550 LWCO 120V  | 45-550  |
| L42-935 | 48-1150 1150LWCO 120V | 45-1150 |

## STEAM



| PRODUCT | DESCRIPTION            | MFG         |
|---------|------------------------|-------------|
| L42-936 | 45-110-2090 CG400 LWCO | 45-110-2090 |

## B & G



| PRODUCT | DESCRIPTION         | MFG      |
|---------|---------------------|----------|
| L47-349 | 110192LF FB38 VALVE | 110192LF |

## COMBINATION BACKFLOW PREVENTER & HOT WATER FILL / TACO



| PRODUCT      | DESCRIPTION                                 | MFG          |
|--------------|---------------------------------------------|--------------|
| 345 0-2      | 3450-2 FEED & BACKFLOW 1/2 IN UNION SWEAT   | 3450-2       |
| 3492-050-BH1 | COMBINATION BOILER BACKFLOW PREVENTER VALVE | 3492-050-BH1 |
| 3492-050-C   | COMBINATION BOILER BACKFLOW PREVENTER VALVE | 3492-050-CI  |

## RESIDEO



| PRODUCT | DESCRIPTION               | MFG     |
|---------|---------------------------|---------|
| R55-623 | FM911/U BCKFLW/FILL VALVE | FM911/U |

## MCDONNELL & MILLER



| PRODUCT | DESCRIPTION              | MFG    |
|---------|--------------------------|--------|
| L38-789 | 169550 WF-2-U-24V FEEDER | 169550 |

## MCDONNELL & MILLER



| PRODUCT | DESCRIPTION              | MFG    |
|---------|--------------------------|--------|
| L38-787 | 144701 RB-24SE PRBCNTRL  | 144701 |
| L38-788 | 144703 PROBE CONTROL LWC | 144703 |



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# OIL COMPONENTS



## ELECTRODE GAUGE / BECKETT



*Beckett*

| PRODUCT | DESCRIPTION  | MFG    |
|---------|--------------|--------|
| L47-530 | Z2000U GAUGE | Z2000U |

## ELECTRONIC OIL IGNITORS / CARLIN

*Carlin*



| PRODUCT | DESCRIPTION    | MFG    |
|---------|----------------|--------|
| 45000S  | 45000S IGNITOR | 45000S |

## FLAME DETECTORS / RESIDEO

*resideo*



| PRODUCT | DESCRIPTION              | MFG         |
|---------|--------------------------|-------------|
| L37-030 | C554A1463/U FLAME DETECT | C554A1463/U |

## REPLACEMENT CELLS

*resideo*



| PRODUCT | DESCRIPTION             | MFG      |
|---------|-------------------------|----------|
| L37-031 | 130367/U FLAME DET CELL | 130367/U |
| C11-386 | E81 TYPE-M CADCELL EYE  | E81      |

## STRAINERS / STRAINER SCREEN & CYLINDER CO



| PRODUCT | DESCRIPTION                    | MFG       |
|---------|--------------------------------|-----------|
| C11-074 | RS-939 SSC-109 'A' PUMP        | SSC-109-P |
| C04-261 | SSC-110 SUNTEC B PUMP STRAINER | SSC-110   |
| C01-992 | SSC-102-P STRAINER             | SSC-102-P |

## REPLACEMENT OIL CARTRIDGES

*General*



| PRODUCT | DESCRIPTION               | MFG  |
|---------|---------------------------|------|
| L41-664 | 88CR REPL CARTRIDGE 10GPH | 88CR |
| L41-665 | 101 REPL CARTRIDGE 25GPH  | 101  |
| L37-523 | RF-1 OIL FILTER           | RF-1 |
| L37-524 | RF-2 OIL FILTER           | RF-2 |

## TIGERLOOP OIL DE-AERATORS / WESTWOOD

*Westwood*



| PRODUCT | DESCRIPTION              | MFG    |
|---------|--------------------------|--------|
| L42-927 | S220 TIGERLOOP DEAERATOR | S220   |
| L42-928 | S220-8 TIGERLOOP ULTRA   | S220-8 |

## ELECTRONIC OIL IGNITORS

*Beckett* *Carlin*



| PRODUCT | DESCRIPTION             | MFG    |
|---------|-------------------------|--------|
| L39-149 | 51771U BECKETT IGNITOR  | 51771U |
| L39-152 | 51826U CARLIN 100 IGNIT | 51826U |

## BASEPLATE FOR BECKETT AFG BURNERS / CARLIN

*Carlin*



| PRODUCT     | DESCRIPTION             | MFG        |
|-------------|-------------------------|------------|
| 41020-00BK1 | 41020-00BK1 BECKETT AFG | 4102000BK1 |

## BECKETT

*Beckett*



| PRODUCT | DESCRIPTION                  | MFG   |
|---------|------------------------------|-------|
| C10-855 | E80-1 TM30S CAD CELL KIT 30" | E80-1 |

## FUEL PUMPS / SUNTEC

*SUNTEC*



| PRODUCT | DESCRIPTION          | MFG        |
|---------|----------------------|------------|
| L86-145 | A1YA-7912B FUEL UNIT | A1YA-7912B |
| L86-147 | A2VA-7116B FUEL UNIT | A2VA-7116B |
| L86-150 | B2YA-8916B FUEL UNIT | B2YA-8916B |

## FUEL OIL FILTERS / GENERAL

*General*



| PRODUCT | DESCRIPTION             | MFG     |
|---------|-------------------------|---------|
| L37-078 | 1A-25B FUEL OIL FILTER  | 1A-25B  |
| L37-079 | 2A-700B FUEL OIL FILTER | 2A-700B |

## FUEL OIL FILTERS / GARBER

*General*



| PRODUCT | DESCRIPTION             | MFG     |
|---------|-------------------------|---------|
| L41-643 | 11V-R FUEL OIL FILTER   | 11V-R   |
| L41-646 | 11BV-RK FUEL OIL FILTER | 11BV-RK |

## REPLACEMENT GARBER

*General*



| PRODUCT | DESCRIPTION             | MFG |
|---------|-------------------------|-----|
| L41-653 | R REPL CARTR EPOXY COAT | R   |



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# OIL COMPONENTS

## TIGERLOOP ACCESSORIES / WESTWOOD

Westwood



| PRODUCT | DESCRIPTION            | MFG     |
|---------|------------------------|---------|
| L44-179 | S228-24 24" FLEX LINE  | S228-24 |
| L44-180 | S228-36 36IN FLEX LINE | S228-36 |

## OIL BURNER PRIMARY CONTROLS / CARLIN + A/C READY

Carlin



| PRODUCT | DESCRIPTION                | MFG    |
|---------|----------------------------|--------|
| 70200   | 70200S OIL PRIMARY CONTROL | 70200  |
| L43-193 | 51950U A/C READY KIT       | 51950U |

## ADVANCED BURNER CONTROLS / BECKETT

Beckett



| PRODUCT | DESCRIPTION             | MFG        |
|---------|-------------------------|------------|
| L45-293 | 7505A0000U GENISYS CTRL | 7505A0000U |
| L45-294 | 7505B1500U GENISYS CTRL | 7505B1500U |

## OIL BURNER / BECKETT

Beckett



| PRODUCT | DESCRIPTION      | MFG   |
|---------|------------------|-------|
| L83-053 | BR100 BURNER OIL | BR100 |

## FUSIBLE VALVES / FIROMATIC

Firomatic



| PRODUCT | DESCRIPTION             | MFG   |
|---------|-------------------------|-------|
| L41-891 | 12840 VALVE - INLINE UL | 12840 |
| L41-893 | 12850 VALVE - INLINE UL | 12850 |

## CHECK VALVE / FIROMATIC

Firomatic



| PRODUCT | DESCRIPTION         | MFG   |
|---------|---------------------|-------|
| L41-903 | 12410 B100HCV VALVE | 12410 |

## OIL BURNER PRIMARY CONTROLS / RESIDEO

resideo



| PRODUCT | DESCRIPTION               | MFG          |
|---------|---------------------------|--------------|
| L37-519 | R8184G4009/U OIL BRN CNTL | R8184G4009/U |
| L37-026 | R8184M1051/U RELAY        | R8184M1051/U |
| L45-677 | R7284U1004/U OIL PRIMARY  | R7284U1004/U |

## ELECTRODE KITS / BECKETT

Beckett



| PRODUCT | DESCRIPTION          | MFG    |
|---------|----------------------|--------|
| L38-653 | S88-36 ELECTRODE KIT | S88-36 |
| L38-654 | S88-10 TUNE-UP KIT   | S88-10 |
| L43-194 | 5780 ELECTRODE KIT   | 5780   |

## UNIVERSAL OIL ELECTRONIC AQUASTAT / RESIDEO

resideo



| PRODUCT | DESCRIPTION           | MFG          |
|---------|-----------------------|--------------|
| L40-764 | L7224U1002/U AQUASTAT | L7224U1002/U |

## OIL BURNER ACCESSORIES & REPLACEMENT PARTS / BECKETT

Beckett



| PRODUCT | DESCRIPTION              | MFG      |
|---------|--------------------------|----------|
| L40-234 | PF20322U PUMP OIL SINGLE | PF20322U |
| S89-230 | 21805U 1/7HP PSC MOTOR   | 21805U   |
| L37-259 | S85-500 6" COUPLING KIT  | S85-500  |
| L43-188 | 5636 OIL LINE 6-1/2"     | 5636     |
| L43-189 | 31653 FLANGE GASKET      | 31653    |



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## INSTALLATION & MAINTENANCE SUPPLIES

### ODORGON



RECTORSEAL

| PRODUCT | DESCRIPTION                | MFG   |
|---------|----------------------------|-------|
| G89-807 | 68516 ODOR CONDENSATE TOOL | 68516 |
| G89-808 | 68112 ODOR COND POWDER 1LB | 68112 |

### FURNACE CEMENT



Supco

| PRODUCT | DESCRIPTION                   | MFG     |
|---------|-------------------------------|---------|
| G81-161 | HIGH TEMP FURNACE CEMENT      | G81-161 |
| 40-365  | 40-365 FURNACE CEMENT 1/2 GAL | 40-365  |
| 40-370  | 40-370 FURNACE CEMENT 1 GAL   | 40-370  |

### HIGH TEMP CAULK



Red Devil

| PRODUCT | DESCRIPTION        | MFG     |
|---------|--------------------|---------|
| G89-953 | HIGH TEMP SILICONE | G89-953 |
| G80-009 | HIGH TEMP SILICONE | G80-009 |

### HEATING OIL TREATMENT



| PRODUCT | DESCRIPTION                 | MFG     |
|---------|-----------------------------|---------|
| FOSP80Z | FUEL OIL TREATMENT / SLUDGE | FOSP80Z |

### PLASTIC PUTTY KNIVES



Red Devil

| PRODUCT | DESCRIPTION             | MFG     |
|---------|-------------------------|---------|
| H26-254 | 4 IN 2 EDGE PUTTY KNIFE | H26-254 |
| H26-255 | 4 IN TRIM PUTTY KNIFE   | H26-255 |

### BOILER TREATMENT



RECTORSEAL

| PRODUCT | DESCRIPTION                | MFG     |
|---------|----------------------------|---------|
| G80-076 | BOILER TREATMENT           | G80-076 |
| G80-077 | BOILER TREATMENT           | G80-077 |
| 40-135  | LIQUID BOILER LEAK SEALANT | 40-135  |
| 35-338  | HYDRONIC SYSTEM SEALANT    | 35-338  |

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