

# Residential Parts Pricing

Hydronic Boilers, Water and Space Heaters  
 Sizes 50,000 - 400,000 BTU/h

| This Document Covers                                | Models                  | Sizes   | Doc. No.            |
|-----------------------------------------------------|-------------------------|---------|---------------------|
| <b>NeoTherm</b> Boiler                              | NTH                     | 80-210  | 1218, 1252          |
| <b>FT Series</b> Wall Mounted Combination or Boiler | MFTCW, MFTHW            | 100-199 | 1487, 1483          |
| <b>FT Series</b> Floor Standing Combination         | LFTCE, LFTHF            | 199     | 1505, 1510          |
| <b>Mascot FT</b> Wall Mounted Boiler                | MFTHW                   | 80-199  | 1342                |
| <b>Mascot FT</b> Wall Mounted Combination           | MFTCW                   | 140-199 | 1318                |
| <b>Mascot ST</b> Wall Mounted Water Heater          | MSTWW                   | 199     | 1316                |
| <b>Mascot LX</b> Wall Mounted Combination or Boiler | MLXC, MLXH              | 50-220  | 1285                |
| <b>Mascot II</b> Wall Mounted Boiler                | LMC, LMH                | 125     | 1230                |
| <b>Endurance</b> Boiler/Space/Water Heater          | EDP, EDN, EBP           | 110-175 | 1117, 1187          |
| <b>Mighty Therm2</b> Boilers, Water Heaters         | MT2                     | 200-400 | 1231                |
| <b>Pennant</b> Boilers, Water Heaters               | PNC                     | 200-400 | 1195                |
| <b>Mini-Therm JX</b> Hydronic Boiler                | JX                      | 50-200  | 1478                |
| <b>Mini-Therm JV</b> Hydronic Boiler                | JVS, JVT                | 50-225  | 1254                |
| <b>Mini-Therm JVi</b> Hydronic Boiler               | JVH                     | 50-225  | 1080                |
| <b>Mini-Combo</b> Space/Water Heater                | MC                      | 50-125  | 8001                |
| <b>Laars-Stor</b> Indirect Tanks                    | LS-SW, LS-DW and LS-RTV | 30-120  | 11062, 11045, 11064 |
| <b>Mark II H Series</b> Boiler/Water Heater         | H, HW, HP               | 60-130  | 1105                |





Using "Genuine Laars" parts will ensure accurate replacement and warranty coverage. Installation and Operation Manuals for current products are available on-line at [www.Laars.com](http://www.Laars.com)

### Our Commitment

We believe the availability of factory authorized replacement parts is an essential component of customer service. We strive to provide every opportunity for our customers to order and stock factory authorized replacement parts, including special incentive, pricing and freight programs. Contact your Laars representative or sales manager for more details.

### Ordering

Laars sells parts only through its normal distribution channels. The most commonly used parts are listed in this parts pricing guide, and can be ordered through Laars stocking representatives or wholesalers. Call the Service Department for assistance in identifying parts not listed. Have the model and serial number of the unit before calling to assure accurate parts identification. Rush Orders: We make every effort to ship rush orders the same day at our regular prices, but cannot guarantee same day shipment. Express freight charged by carriers is not refundable regardless of ship date; please indicate alternate shipping choice if order cannot ship the same day. Some parts are subject to price changes and limited availability. Laars representatives or wholesalers should call the factory for price and lead time for non-current sheet metal parts, parts listed as "limited to stock on hand" and parts not listed in this document. **Acceptance of Orders:** Possession of this price list does not constitute the right to purchase the items listed herein. All orders are subject to acceptance and approval by Laars Heating Systems.

### Terms and Conditions

1. Standard terms will apply to all parts orders.
2. Expedite fee for non-stocked heat exchangers, and large assemblies, 24 hour turnaround \$250.00 net.
3. Cancellation fee may apply for custom product already in production.
4. All parts are shipped FCA Laars Heating Systems.
5. Any excise or sales tax will be charged to and paid by the buyer. Buyer is solely responsible for providing valid resale certificates.
6. Damage Claims: All claims for damaged merchandise must be made with the carrier.

### Salable Returns / Unused Parts

Parts in new condition w/ all original packaging will be considered for return within one year of date of purchase from Laars, subject to a 25% restocking charge *and* recovery of other discounts or incentives earned at time of purchase. Invoice number and date of purchase must be furnished. Refunds will be made to the original purchaser only, and will be made at the sole discretion of Laars. Return of parts may affect eligibility for other programs. Contact your Laars representative for more information.

### Parts Limited Warranty

Laars warrants all parts to be free from defects in materials and workmanship to the original retail purchaser for one year from date of retail purchase. Proof of purchase is required. This limited warranty applies only to parts purchased for use as an original equipment replacement part in Laars Heating Systems boilers and water heaters. At its option, Laars will repair or replace any part that fails under this limited warranty. Repair or replacement shall be the sole remedy, and **Laars shall not be liable for any field labor, removal, transportation to/from the factory, reinstallation or any other such costs.**

### Return Under Warranty

Parts should be returned to the place of purchase for warranty evaluation. If the original place of purchase is not known, contact your Laars wholesaler, factory representative or Contract Service Center. Wholesalers, factory representatives and Contract Service Centers returning parts for warranty consideration must obtain a RMA (Return Merchandise Authorization) number from the Customer Service Department. Each part must be tagged w/ the original purchase date, model and serial number of the boiler it was installed on, and a description of the failure. **Parts must be returned freight prepaid and clearly marked w/ the RMA number. The RMA expires if not returned within 90 days of issuance.** Contact your Laars representative or the Customer Service Department for more information on obtaining warranty coverage on large, heavy or bulky items.

Laars Heating Systems maintains a policy of continuous quality improvement.

*Dimensions and specifications subject to change without notice in accordance with our policy of continuous improvement.  
Prices subject to change. We reserve the right to discontinue a product – call Customer Service for availability and lead times.*

# Contents

|                                            |         |
|--------------------------------------------|---------|
| <b>NeoTherm Model NT</b>                   |         |
| Sizes 80,000 - 210,000 BTU/h .....         | 4       |
| <b>FT Series Wall Models MFTCW, MFTHW</b>  |         |
| Sizes 100,000 - 199,000BTU/h.....          | 5       |
| <b>FT Series Floor Models LFTCF, LFTHF</b> |         |
| Size 199,000BTU/h.....                     | 7       |
| <b>Mascot FT Wall Models MFTCW, MFTHW</b>  |         |
| Sizes 80,000 - 199,000BTU/h.....           | 8       |
| <b>Mascot ST MSTWW199</b>                  |         |
| Size 199,000BTU/h.....                     | 10      |
| <b>Mascot LX Models MLXCW, MLXHW</b>       |         |
| Sizes 50,000 - 220,000BTU/h.....           | 11      |
| <b>Mascot II Models LMC, LMH</b>           |         |
| Size 125,000BTU/h.....                     | 12      |
| <b>Endurance Models EDP, EDN, EBP</b>      |         |
| Sizes 110,000 - 175,000 BTU/h.....         | 13      |
| <b>Mighty Therm2 Model MT2</b>             |         |
| Sizes 200,000 - 400,000 BTU/h.....         | 15      |
| <b>Pennant Model PNC</b>                   |         |
| Sizes 200,000 - 400,000 BTU/h.....         | 17      |
| <b>Mini-Therm Models JX</b>                |         |
| Sizes 50,000 - 200,000 BTU/h.....          | 19      |
| <b>Mini-Therm Models JVS, JVT</b>          |         |
| Sizes 50,000 - 225,000 BTU/h.....          | 21      |
| <b>Mini-Therm Model JVH</b>                |         |
| Sizes 50,000 - 225,000 BTU/h.....          | 24      |
| <b>Mini-Combo Models MCS, MCT, MCH</b>     |         |
| Sizes 50,000 - 125,000 BTU/h.....          | 26      |
| <b>Laars-Stor</b>                          |         |
| Models LS-SW, LS-DW and LS-RTV .....       | 26      |
| <b>Mark II (H Series) Models H, HW, HP</b> |         |
| Sizes 60,000 - 130,000 BTU/h.....          | 27      |
| <b>List Prices</b>                         |         |
| All products, all sizes .....              | 28 - 34 |

# NeoTherm

## Sizes 80,000 - 210,000 BTU/h

| Part No.                                                           | Description                                       | Size    | Part No.                                    | Description                                      | Size    |
|--------------------------------------------------------------------|---------------------------------------------------|---------|---------------------------------------------|--------------------------------------------------|---------|
| <b>GAS / AIR COMPONENTS</b>                                        |                                                   |         | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                                  |         |
| RA2113700                                                          | Combustion air blower.....                        | 80-105  | 50D7508                                     | Harness, flame sensor.....                       | 80-210  |
| RA2107500                                                          | Combustion air blower.....                        | 150     | 50D7516                                     | Harness, ignitor.....                            | 80-210  |
| RA2114200                                                          | Combustion air blower.....                        | 210     | R50D7003                                    | Top panel bracket.....                           | 80-210  |
| R2069101                                                           | Main burner with gasket.....                      | 80      | RE2370700                                   | Transformer.....                                 | 80-210  |
| R2069102                                                           | Main burner with gasket.....                      | 105     | RE2322700                                   | Rocker switch.....                               | 80-210  |
| R2069103                                                           | Main burner with gasket.....                      | 150     | RE2334700                                   | Air pressure switch.....                         | 80-150  |
| R2069104                                                           | Main burner with gasket.....                      | 210     | RE2334701                                   | Air pressure switch.....                         | 210     |
| RS2108500                                                          | Burner gasket.....                                | 80-210  | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                                  |         |
| R2069200                                                           | Flame sensor with gasket.....                     | 80-210  | RS2105500                                   | Heat exchanger.....                              | 105     |
| R2069300                                                           | Ignitor with gasket.....                          | 80-210  | RS2111000                                   | Heat exchanger.....                              | 210     |
| RW2013400                                                          | Flame sensor gasket.....                          | 80-210  | RS2110900                                   | Heat exchanger.....                              | 150     |
| RW2013300                                                          | Ignitor gasket.....                               | 80-210  | RS2106900                                   | Heat exchanger.....                              | 80      |
| RS2112801                                                          | Burner door with gaskets.....                     | 80-210  | R0060600                                    | Temperature & pressure gauge.....                | 80-210  |
| R2069400                                                           | Gaskets - burner door.....                        | 80-210  | R1-592                                      | Air vent, revisions 2 & 3*.....                  | 80-210  |
| RV2017900                                                          | Gas valve / venturi.....                          | 80      | R70-216                                     | Air vent, revision 1*.....                       | 80-210  |
| RV2017901                                                          | Gas valve / venturi.....                          | 105     | R10-143                                     | Drain.....                                       | 80-210  |
| RV2017902                                                          | Gas valve / venturi.....                          | 150     | R0061400                                    | Pressure relief valve, 30 psi.....               | 80-210  |
| RV2017903                                                          | Gas valve / venturi.....                          | 210     | R2008400                                    | Water flow switch (optional).....                | 80-210  |
| R30-227                                                            | Gas valve o-ring.....                             | 80-210  | RT2109001                                   | Front refractory tile.....                       | 80-210  |
| R20D4020                                                           | Condensate trap assembly.....                     | 80-210  | R50D2021                                    | Rear refractory tile.....                        | 80-210  |
| RS2109100                                                          | Gasket set (burner, ignitor, sensor, door).....   | 80-210  | RA2112232                                   | Pump assembly.....                               | 80      |
| RS2109400                                                          | Screw, air/gas channel (5-pack).....              | 80-210  | RA2112227                                   | Pump assembly.....                               | 105-150 |
| RP2051400                                                          | Gas supply pipe.....                              | 105-210 | RA2112228                                   | Pump assembly.....                               | 210     |
| RP2051700                                                          | Gas supply pipe.....                              | 80      | <b>JACKET / BASE COMPONENTS</b>             |                                                  |         |
| R8D3005                                                            | Air inlet / exhaust bracket.....                  | 80      | 8D3327                                      | Left top panel.....                              | 80      |
| R10D3005                                                           | Air inlet / exhaust bracket.....                  | 105     | 8D3328                                      | Top panel, middle left.....                      | 80      |
| R20D3120                                                           | Air inlet / exhaust bracket.....                  | 150-210 | 8D3329                                      | Top panel, middle right.....                     | 80      |
| RD2010501                                                          | CPVC reducer or coupling.....                     | 80-105  | 8D3330                                      | Top panel, rear right.....                       | 80      |
| RP2053000                                                          | PVC reducer.....                                  | 150-210 | R15D3001                                    | Right side panel.....                            | 80-150  |
| RP2056100                                                          | Nylon NPT to hose barb adapter.....               | 150-210 | R15D3002                                    | Left side panel.....                             | 80-150  |
| RP2065600                                                          | CPVC reducer or coupling.....                     | 150-210 | R15D3102                                    | Jacket angle support (left only for 80-105)..... | 80-150  |
| RP2067100                                                          | Nylon NPT to hose barb adapter.....               | 80-105  | R15D3303                                    | Top middle panel.....                            | 150     |
| <b>CONVERSION KITS</b>                                             |                                                   |         | R20D3301                                    | Right top panel.....                             | 210     |
| CA006201                                                           | Propane conversion kit.....                       | 80      | R20D3303                                    | Left top panel.....                              | 210     |
| CA006202                                                           | Propane conversion kit.....                       | 105     | R30D3001                                    | Right side panel.....                            | 210     |
| CA006203                                                           | Propane conversion kit.....                       | 150     | R30D3002                                    | Left side panel.....                             | 210     |
| CA006204                                                           | Propane conversion kit.....                       | 210     | R30D3102                                    | Jacket angle support (left only for 80-105)..... | 210     |
| CA006206                                                           | Natural conversion kit.....                       | 80-210  | R50D3003                                    | Jacket support left stanchion.....               | 80-210  |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>                             |                                                   |         | R50D3004                                    | Jacket support right stanchion.....              | 80-210  |
| RE2319900                                                          | Duplex water temp sensor (outlet).....            | 80-210  | R50D3101                                    | Rear panel.....                                  | 80-210  |
| RE2320600                                                          | Water temperature sensor (inlet).....             | 80-210  | R60D3200                                    | Front panel assembly, revision 2*.....           | 80-210  |
| CA005600                                                           | System water sensor.....                          | 80-210  | R60D3203                                    | Front panel assembly, revision 3*.....           | 80-210  |
| CA005500                                                           | DHW sensor.....                                   | 80-210  | R50D3204                                    | Front panel handle.....                          | 80-210  |
| RE2319700                                                          | Duplex stack temperature sensor.....              | 80-210  | R50D7120                                    | Front bezel (EMEA display).....                  | 80-210  |
| CA005400                                                           | Outdoor air sensor.....                           | 80-210  | R8D3102                                     | Jacket angle support, right.....                 | 80-105  |
| RE2333500                                                          | Display module, revision 2*.....                  | 80-210  | R15D1002                                    | Cantilevered base stanchion.....                 | 80-150  |
| RTXD7108                                                           | Control module, revision 2*.....                  | 80-105  | R40D1001                                    | Cantilevered base stanchion.....                 | 210     |
| RTXD7109                                                           | Control module, revision 2*.....                  | 150-210 | R15D1100                                    | Base assembly.....                               | 80-150  |
| CA50D7182                                                          | Retrofit to rev 3 cntrl & displ, revision 2*..... | 80-105  | R30D1100                                    | Base assembly.....                               | 210     |
| CA50D7183                                                          | Retrofit to rev 3 cntrl & displ, revision 2*..... | 150-210 | R15D1004                                    | Mounting rail.....                               | 80-150  |
| RE2347200                                                          | Display module, revision 3*.....                  | 80-210  | R30D1004                                    | Mounting rail.....                               | 210     |
| RXD7199                                                            | Control module, revision 3*.....                  | 80-105  | R50D1001                                    | Left rear support stanchion.....                 | 80-210  |
| RXD7198                                                            | Control module, revision 3*.....                  | 150-210 | R50D1002                                    | Left frt / right rear support stanchion.....     | 80-210  |
| R50D7414                                                           | Wire harness.....                                 | 210     | R50D1006                                    | Heat exchanger rail clip.....                    | 80-210  |
| R50D7412                                                           | Wire harness.....                                 | 80-150  | <b>NEUTRALIZER MEDIA</b>                    |                                                  |         |
| R50D7001                                                           | Control panel enclosure.....                      | 80-210  | A2123605                                    | Neutralizer media, 2.5 lb.....                   | all     |
| R50D7002                                                           | High voltage shield.....                          | 80-210  | A2123606                                    | Neutralizer media, 40 lb.....                    | all     |
| *Revision shown in the 10th character of the boiler's model number |                                                   |         | Q2016900                                    | Neutralizer media, sold by lb.....               | all     |
| Contact Laars for revision 1 models                                |                                                   |         |                                             |                                                  |         |

# FT Series Wall Mounted

## Models MFTCW and MFTHW - Revision 2

| Part No.                    | Description                       | Model   | Size    | Part No.                               | Description                        | Model   | Size    |
|-----------------------------|-----------------------------------|---------|---------|----------------------------------------|------------------------------------|---------|---------|
| <b>GAS / AIR COMPONENTS</b> |                                   |         |         |                                        |                                    |         |         |
| FT2015                      | Burner.....                       | CW & HW | 100-140 | FT1810                                 | Gas pipe, upper.....               | CW      | 199     |
| FT1838                      | Burner.....                       | CW & HW | 199     | FT2103                                 | Gas pipe, upper assembly.....      | HW      | 140     |
| FT2014                      | Burner ass'y.....                 | CW & HW | 100-140 | FT2123                                 | Gas pipe, upper assembly.....      | CW      | 140     |
| FT2038                      | Burner ass'y.....                 | CW & HW | 199     | FT1893                                 | Gas inlet adaptor.....             | CW      | ALL     |
| FT1824                      | Burner gasket.....                | CW & HW | 199     | FT1538                                 | Gas valve inlet adaptor.....       | CW      | 140     |
| FT1927                      | Burner gasket.....                | CW & HW | 100-140 | FT1538                                 | Gas valve inlet adaptor.....       | HW      | ALL     |
| FT1928                      | Burner downside case .....        | CW      | 140     | FT1919                                 | Gas valve outlet adaptor.....      | CW & HW | ALL     |
| FT2041                      | Burner downside case .....        | CW & HW | 199     | FT1539                                 | Gas valve bracket.....             | CW      | 140     |
| FT1760                      | Burner upper case .....           | CW & HW | 199     | FT1779                                 | Gas valve bracket.....             | CW      | 199     |
| FT1406                      | Fan.....                          | CW & HW | ALL     | FT1921                                 | Safety valve rubber pad.....       | CW      | ALL     |
| FT2053                      | Fan assembly.....                 | HW      | 100     | FT1665                                 | Refractory.....                    | CW      | 140     |
| FT2021                      | Fan assembly.....                 | CW & HW | 140     | FT1665                                 | Refractory.....                    | HW      | ALL     |
| FT1916                      | Fan assembly.....                 | CW & HW | 199     | FT1730                                 | Bird screen 3".....                | CW & HW | ALL     |
| FT2018                      | Fan guide.....                    | CW & HW | 100-140 | ST1070                                 | Condensate hose.....               | CW & HW | ALL     |
| FT2043                      | Fan guide.....                    | CW & HW | 199     | FT1783                                 | Condensate trap assembly.....      | CW & HW | ALL     |
| FT2101                      | Fan guide assembly.....           | HW      | 100-140 | FT1918                                 | Nylon barb Y fitting.....          | HW      | ALL     |
| FT2121                      | Fan guide assembly.....           | CW      | 140     | FT1603                                 | Stainless band (100).....          | HW      | ALL     |
| ST1038                      | Fan sealing o-ring.....           | CW & HW | ALL     | FT1777                                 | Stainless band (089).....          | CW      | 199     |
| FT2020                      | Fan rubber gasket.....            | CW & HW | ALL     | <b>ELECTRICAL / CONTROL COMPONENTS</b> |                                    |         |         |
| FT1082                      | Fan outlet gasket.....            | CW & HW | 100-140 | FT1052                                 | Control.....                       | HW      | ALL     |
| FT1772                      | Fan guide o-ring.....             | CW & HW | 199     | FT1899                                 | Control.....                       | CW      | ALL     |
| FT1775                      | Air/gas mixer body.....           | CW & HW | 100&199 | FT1049                                 | Control bracket .....              | HW      | 100-140 |
| FT2022                      | Air/gas mixer venturi.....        | CW & HW | 140     | FT1922                                 | Control bracket .....              | CW      | 140     |
| FT1917                      | Air/gas mixer venturi.....        | CW & HW | 199     | FT2004                                 | Control sub-bracket.....           | CW      | 140     |
| FT1774                      | Air/gas mixer O-ring.....         | CW & HW | 100&199 | FT2033                                 | Control sub-bracket.....           | CW & HW | 199     |
| FT2026                      | Air Intake hose.....              | CW & HW | 140     | FT2005                                 | Display control.....               | CW      | ALL     |
| FT1846                      | Air Intake hose.....              | HW      | 199     | FT2050                                 | Display control.....               | HW      | ALL     |
| FT1812                      | Air Intake hose.....              | CW      | 199     | FT2004                                 | Display panel bracket.....         | HW      | 100-140 |
| FT2102                      | Air intake hose assembly.....     | HW      | 140     | ST1006                                 | Ignition transformer.....          | CW      | 140     |
| FT2122                      | Air intake hose assembly.....     | CW      | 140     | ST1006                                 | Ignition transformer.....          | HW      | 100-140 |
| FT1548                      | Air vent adaptor.....             | HW      | ALL     | FT2031                                 | Ignition transformer.....          | CW & HW | 199     |
| FT2002                      | Intake duct assembly.....         | CW & HW | ALL     | FT2032                                 | Ignition transformer bracket.....  | CW & HW | 199     |
| FT2019                      | Damper body assembly.....         | CW & HW | 100-140 | FT2016                                 | Ignition rod.....                  | CW & HW | 100-140 |
| FT2044                      | Damper body assembly.....         | CW & HW | 199     | FT2128                                 | Ignition rod assembly.....         | HW      | 199     |
| FT1771                      | Intake / exhaust sealing pad..... | CW & HW | ALL     | FT2017                                 | Ignitor ceramic paper.....         | CW & HW | ALL     |
| FT2094                      | Exhaust pipe.....                 | CW & HW | 100-140 | FT1316                                 | Ignitor gasket.....                | CW & HW | ALL     |
| FT2000                      | Exhaust vent duct assembly.....   | CW & HW | ALL     | FT1327                                 | Flame detector sensor.....         | CW & HW | ALL     |
| FT1784                      | Exhaust pipe adaptor.....         | CW & HW | ALL     | FT2096                                 | Flame detector sensor assy.....    | HW      | 100-140 |
| FT2012                      | Exhaust pipe packing (lower)..... | CW & HW | 100-140 | FT2129                                 | Flame detector sensor assy.....    | HW      | 199     |
| FT2036                      | Exhaust pipe packing (lower)..... | CW & HW | 199     | FT2120                                 | Flame detector sensor assy.....    | CW      | 140     |
| FT1416                      | Gas valve.....                    | CW & HW | ALL     | FT2085                                 | Flame detector sensor assy.....    | CW      | 199     |
| FT1413                      | Gas valve assembly.....           | CW & HW | 100-140 | FT1669                                 | Flame detector sensor bracket..... | CW & HW | ALL     |
| FT1950                      | Gas valve assembly.....           | CW & HW | 199     | FT1069                                 | Flame detector sensor cover.....   | CW & HW | ALL     |
| FT1727                      | Gas valve o-ring.....             | HW      | 100-140 | FT1020                                 | Power switch.....                  | CW & HW | ALL     |
| FT1415                      | Gas valve o-ring.....             | HW      | 199     | FT1324                                 | Temperature sensor.....            | CW & HW | ALL     |
| FT1727                      | Gas valve o-ring.....             | CW      | ALL     | FT1635                                 | CH return sensor.....              | HW      | ALL     |
| FT1539                      | Gas valve bracket.....            | HW      | 100-140 | FT1219                                 | CH return sensor.....              | CW      | ALL     |
| FT1779                      | Gas valve bracket.....            | HW      | 199     | FT1112                                 | Outlet sensor.....                 | CW      | ALL     |
| FT1893                      | Gas inlet adaptor.....            | HW      | 100-140 | FT1501                                 | Outdoor sensor.....                | CW & HW | ALL     |
| FT1780                      | Gas orifice, natural.....         | CW & HW | 199     | FT1804                                 | Air pressure sensor.....           | CW & HW | ALL     |
| FT1802                      | Gas orifice, propane.....         | CW & HW | 199     | FT1022                                 | Condensate pressure sw.....        | CW & HW | ALL     |
| FT2064                      | Gas conversion kit.....           | HW      | 100-140 | FT1307                                 | Exhaust overheat sensor.....       | CW & HW | ALL     |
| FT2068                      | Gas conversion kit.....           | HW      | 199     | FT1606                                 | Exhaust testing cap.....           | CW & HW | ALL     |
| FT2091                      | Gas conversion kit.....           | CW & HW | ALL     | FT1325                                 | Low level sensor.....              | CW & HW | ALL     |
| FT1086                      | Gas pipe, down.....               | HW      | 100-140 | FT1310                                 | Overheat sensor.....               | CW & HW | ALL     |
| FT1419                      | Gas pipe, down.....               | CW      | 140     | FT1115                                 | Flow sensor.....                   | CW      | ALL     |
| FT1811                      | Gas pipe, down.....               | CW      | 199     | FT2115                                 | Flow sensor assembly.....          | CW      | 140     |
| FT2104                      | Gas pipe, down assembly.....      | HW      | 100-140 | FT1208                                 | Flow sensor clip.....              | CW      | ALL     |
| FT2124                      | Gas pipe, down assembly.....      | CW      | 140     | FT1827                                 | Terminal block (6P).....           | CW & HW | ALL     |
| FT2029                      | Gas pipe, upper.....              | CW      | 140     | FT1618                                 | Terminal block (12P).....          | HW      | ALL     |
|                             |                                   |         |         | FT1905                                 | Wire Harness.....                  | HW      | 100-140 |

## FT Series Wall Mounted (Cont.)

| Part No.                                    | Description                        | Model   | Size    | Part No.                             | Description                           | Model   | Size    |
|---------------------------------------------|------------------------------------|---------|---------|--------------------------------------|---------------------------------------|---------|---------|
| FT1906                                      | Wire Harness.....                  | HW      | 199     | FT1200                               | DHW hydro block assembly.....         | CW      | 140     |
| FT1903                                      | Wire Harness.....                  | CW      | 140     | FT1938                               | DHW hydro block assembly.....         | CW      | 199     |
| FT1904                                      | Wire Harness.....                  | CW      | 199     | FT1522                               | DHW inlet block.....                  | CW      | 140     |
| FT1861                                      | Cable, communication, cascade..... | CW & HW | ALL     | FT2116                               | DHW inlet block assembly.....         | CW      | 140     |
| FT1868                                      | Sensor, system, cascade.....       | CW & HW | ALL     | FT1114                               | DHW inlet pipe.....                   | CW      | 140     |
| <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                    |         |         | FT1806                               | DHW inlet pipe.....                   | CW      | 199     |
| FT2067                                      | Heat exchanger assembly.....       | HW      | 199     | FT2113                               | DHW inlet pipe assembly.....          | CW      | 140     |
| FT2013                                      | Heat exchanger assembly.....       | CW      | 140     | FT1518                               | DHW outer block.....                  | CW      | ALL     |
| FT2037                                      | Heat exchanger assembly.....       | CW      | 199     | FT2112                               | DHW outer block assembly.....         | CW      | 140     |
| FT2099                                      | Pump assembly.....                 | HW      | 100-140 | FT1109                               | DHW outlet pipe.....                  | CW      | 140     |
| FT2132                                      | Pump assembly.....                 | HW      | 199     | FT1805                               | DHW outlet pipe.....                  | CW      | 199     |
| FT2110                                      | Pump assembly.....                 | CW      | 140     | FT2111                               | DHW outlet pipe assembly.....         | CW      | 140     |
| FT2073                                      | Pump assembly.....                 | CW      | 199     | FT1220                               | 3-way valve.....                      | CW      | ALL     |
| FT1672                                      | Pump.....                          | HW      | 100-140 | FT2108                               | 3-way valve assembly.....             | CW      | 140     |
| FT1767                                      | Pump.....                          | HW      | 199     | FT2071                               | 3-way valve assembly.....             | CW      | 199     |
| FT1222                                      | Pump.....                          | CW      | 140     | FT1116                               | Mixing valve.....                     | CW      | ALL     |
| FT1798                                      | Pump.....                          | CW      | 199     | FT2114                               | Mixing valve assembly.....            | CW      | 140     |
| FT1108                                      | Pump clip.....                     | CW      | ALL     | FT1111                               | DHW nipple.....                       | CW      | ALL     |
| FT1058                                      | Pressure gauge.....                | HW      | ALL     | FT1122                               | DHW connector.....                    | CW      | ALL     |
| FT1025                                      | Pressure gauge.....                | CW      | ALL     | FT1549                               | DHW filter body.....                  | CW      | ALL     |
| FT2010                                      | Pressure gauge bracket.....        | CW & HW | 100-140 | FT1121                               | DHW filter cap.....                   | CW      | ALL     |
| FT2065                                      | Pressure gauge bracket.....        | CW & HW | 199     | FT1120                               | DHW filter mesh.....                  | CW      | ALL     |
| FT1500                                      | Pressure relief valve.....         | CW & HW | ALL     | FT1321                               | Air vent.....                         | CW & HW | ALL     |
| FT1100                                      | CH Hydro block Ass'y.....          | CW      | 140     | FT1528                               | Stainless band (150).....             | CW      | 140     |
| FT1937                                      | CH hydro block assembly.....       | CW      | 199     | FT1813                               | Stainless band (165).....             | CW      | 199     |
| FT1218                                      | CH return pipe.....                | CW      | 140     | FT1107                               | Piping clip.....                      | CW      | ALL     |
| FT1807                                      | CH Return pipe.....                | CW      | 199     | FT1524                               | R-clip.....                           | CW      | ALL     |
| FT1523                                      | Return block.....                  | CW      | ALL     | <b>JACKET &amp; MISC. COMPONENTS</b> |                                       |         |         |
| FT2106                                      | Return block assembly.....         | CW      | 140     | FT2066                               | Jacket assembly.....                  | HW      | 199     |
| FT2069                                      | Return block assembly.....         | CW      | 199     | FT2008                               | Front cover.....                      | CW & HW | 100-140 |
| FT2107                                      | Return pipe assembly.....          | CW      | 140     | FT2034                               | Front cover.....                      | CW & HW | 199     |
| FT2070                                      | Return pipe assembly.....          | CW      | 199     | FT2009                               | Display panel cover.....              | CW & HW | ALL     |
| FT1071                                      | CH return pipe-1.....              | HW      | 100     | FT1936                               | Wall bracket (bottom).....            | CW & HW | 199     |
| FT1071                                      | CH return pipe-1.....              | HW      | 140-199 | FT1924                               | Wall bracket (top).....               | CW & HW | 199     |
| FT2100                                      | CH return pipe-1 assembly.....     | HW      | 100     | FT1894                               | Wall hung bracket.....                | CW & HW | ALL     |
| FT2100                                      | CH return pipe-1 assembly.....     | HW      | 140     | FT1530                               | DHW tank bracket.....                 | CW      | 140     |
| FT2133                                      | CH return pipe-1 assembly.....     | HW      | 199     | FT1793                               | DHW tank bracket.....                 | CW      | 199     |
| FT1072                                      | CH return pipe-2.....              | HW      | 100-140 | FT1939                               | Air vent rubber pad.....              | HW      | ALL     |
| FT1768                                      | CH return pipe-2.....              | HW      | 199     | FT1013                               | Air vent rubber packing.....          | CW      | ALL     |
| FT2098                                      | CH return pipe-2 assembly.....     | HW      | 100     | FT1795                               | Bracket.....                          | CW      | 199     |
| FT2098                                      | CH return pipe-2 assembly.....     | HW      | 140     | FT1797                               | Gasket bracket.....                   | CW      | ALL     |
| FT2131                                      | CH return pipe-2 assembly.....     | HW      | 199     | FT2006                               | Bracket.....                          | HW      | 100-140 |
| FT1853                                      | CH supply pipe.....                | HW      | 100     | FT1217                               | U-Clip.....                           | CW      | ALL     |
| FT1070                                      | CH supply pipe.....                | HW      | 140     | FT1604                               | Packing.....                          | CW & HW | ALL     |
| FT1765                                      | CH supply pipe.....                | HW      | 199     | FT1691                               | 1" Packing.....                       | CW & HW | ALL     |
| FT1527                                      | CH supply pipe.....                | CW      | 140     | FT1645                               | 1/2" Packing.....                     | CW & HW | ALL     |
| FT1808                                      | CH supply pipe.....                | CW      | 199     | FT1710                               | 1/2" Spiral packing.....              | CW & HW | ALL     |
| FT2097                                      | CH supply pipe assembly.....       | HW      | 140     | FT1646                               | 3/4" packing.....                     | CW & HW | ALL     |
| FT2130                                      | CH supply pipe assembly.....       | HW      | 199     | FT1060                               | 3/8" Packing.....                     | HW      | ALL     |
| FT2109                                      | CH supply pipe assembly.....       | CW      | 140     | FT1604                               | Packing.....                          | CW & HW | ALL     |
| FT2072                                      | CH supply pipe assembly.....       | CW      | 199     | FT1601                               | O-Ring P7.....                        | CW & HW | ALL     |
| FT1322                                      | CH supply upper pipe.....          | CW      | 140     | FT1685                               | O-Ring P15.....                       | CW      | ALL     |
| FT1809                                      | CH supply upper pipe.....          | CW      | 199     | FT1643                               | O-Ring P16.....                       | CW      | ALL     |
| FT2119                                      | CH supply upper pipe assembly..... | CW      | 140     | FT1687                               | O-Ring P18.....                       | CW      | ALL     |
| FT2084                                      | CH supply upper pipe assembly..... | CW      | 199     | FT1513                               | O-Ring P20.....                       | CW      | ALL     |
| FT1215                                      | CH return, supply connector.....   | CW      | ALL     | FT1644                               | O-Ring P22.....                       | CW & HW | ALL     |
| FT1216                                      | CH filter.....                     | CW      | ALL     | FT1515                               | O-Ring P22A.....                      | CW      | ALL     |
| FT2117                                      | DHW filter body assembly.....      | CW      | 140     | FT1516                               | O-Ring P25.....                       | CW      | ALL     |
| FT1119                                      | Flow restrictor.....               | CW      | 140     | FT1609                               | O-Ring P75.....                       | CW & HW | ALL     |
| FT1506                                      | Flow restrictor (5L).....          | CW      | 140     | A2123605                             | Neutralizer media, 2.5 lb.....        | CW & HW | ALL     |
| FT1822                                      | Flow restrictor.....               | CW      | 199     | A2123606                             | Neutralizer media, 40 lb.....         | CW & HW | ALL     |
| FT1323                                      | DHW tank.....                      | CW      | 140     | Q2016900                             | Neutralizer media, sold by the lb.... | CW & HW | ALL     |
| FT1794                                      | DHW tank.....                      | CW      | 199     |                                      |                                       |         |         |

# FT Series Floor-Standing

## Models LFTCF and LFTHF

| Part No.                               | Description                        | Model | Size | Part No.                                    | Description                                | Model | Size |
|----------------------------------------|------------------------------------|-------|------|---------------------------------------------|--------------------------------------------|-------|------|
| <b>GAS / AIR COMPONENTS</b>            |                                    |       |      | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                            |       |      |
| FT1838                                 | Burner.....                        | both  | 199  | FT1506                                      | Flow Restrictor.....                       | CF    | 199  |
| FT1824                                 | Burner Gasket.....                 | both  | 199  | V2033100                                    | Mixing Valve.....                          | CF    | 199  |
| FT2041                                 | Burner Downside Case .....         | both  | 199  | FT1121                                      | DHW filter cap.....                        | CF    | 199  |
| FT1760                                 | Burner Upper Case.....             | both  | 199  | FT1120                                      | DHW filter mesh.....                       | CF    | 199  |
| ST1038                                 | Fan Sealing O-ring.....            | both  | 199  | FT1822                                      | Flow Restrictor.....                       | CF    | 199  |
| FT2043                                 | Fan Guide.....                     | CF    | 199  | FT1500                                      | Pressure Relief Valve.....                 | both  | 199  |
| FT1772                                 | Fan Guide Packing.....             | both  | 199  | FT1058                                      | Pressure gauge.....                        | both  | 199  |
| FT2020                                 | Fan Rubber Packing #2.....         | both  | 199  | FT1107                                      | Piping Clip 1.....                         | both  | 199  |
| FT1416                                 | Gas Valve.....                     | both  | 199  | FT1108                                      | Piping Clip 2.....                         | both  | 199  |
| FT1727                                 | Gas Valve O-ring.....              | both  | 199  | FT1708                                      | Ball Valve.....                            | both  | 199  |
| FT1919                                 | Gas Valve Outlet Adaptor.....      | both  | 199  | FT1643                                      | O-Ring P16.....                            | CF    | 199  |
| FT2044                                 | Damper Body Assembly.....          | both  | 199  | FT1687                                      | O-Ring P18.....                            | CF    | 199  |
| FT1917                                 | Air/gas Mixer Venturi.....         | both  | 199  | FT1513                                      | O-Ring P20.....                            | CF    | 199  |
| FT1775                                 | Air/gas Mixer Body.....            | both  | 199  | FT1524                                      | R Clip.....                                | CF    | 199  |
| FT1774                                 | Air/gas Mixer O-ring.....          | both  | 199  | FT1691                                      | 1" Packing.....                            | both  | 199  |
| FT1538                                 | Gas Valve Inlet Adaptor.....       | both  | 199  | FT1646                                      | 3/4" Packing.....                          | CF    | 199  |
| FT1780                                 | Gas orifice, natural.....          | both  | 199  | <b>JACKET COMPONENTS</b>                    |                                            |       |      |
| FT1802                                 | Gas orifice, propane.....          | both  | 199  | FT3010                                      | Air Intake Collar Ass'y (filter type)..... | both  | 199  |
| FT2036                                 | Exhaust Duct Packing (Lower).....  | both  | 199  | FT1606                                      | Exhaust Testing Cap.....                   | both  | 199  |
| ST1070                                 | Condensate Hose.....               | CF    | 199  | FT1603                                      | Stainless Band (Ø100).....                 | both  | 199  |
| FT1730                                 | Bird Screen (Vent & Air Cap).....  | both  | 199  | FT1604                                      | Packing.....                               | both  | 199  |
| FT1644                                 | O-Ring P22.....                    | both  | 199  | FT1646                                      | 3/4" packing.....                          | CF    | 199  |
| FT1710                                 | 1/2" Spiral packing.....           | both  | 199  | FT1691                                      | 1" Packing.....                            | both  | 199  |
| FT1777                                 | Stainless Band 2 (Ø89).....        | both  | 199  | FT1601                                      | O-Ring P7.....                             | both  | 199  |
| FT1918                                 | Nylon Barb Y Fitting.....          | both  | 199  | FT1643                                      | O-Ring P16.....                            | CF    | 199  |
| <b>ELECTRICAL / CONTROL COMPONENTS</b> |                                    |       |      | FT1687                                      | O-Ring P18.....                            | CF    | 199  |
| FT2031                                 | Ignition Transformer.....          | both  | 199  | FT1513                                      | O-Ring P20.....                            | CF    | 199  |
| FT2040                                 | Ignition Rod Gasket 1.....         | CF    | 199  | FT1609                                      | O-Ring P75.....                            | both  | 199  |
| FT1316                                 | Ignition Rod Gasket 2.....         | CF    | 199  | <b>ACCESSORIES</b>                          |                                            |       |      |
| FT2085                                 | Flame Detector Sensor Ass'y.....   | both  | 199  | 239-44069-02                                | Horiz Conc 2" PVC Termination.....         | both  | 199  |
| FT1327                                 | Flame Detector Sensor.....         | both  | 199  | 239-44069-01                                | Horiz Conc 3" PVC Termination.....         | both  | 199  |
| FT1669                                 | Flame Detector Sensor Bracket..... | both  | 199  | CA010100                                    | Conc Flush-Mount 2" Vent Term.....         | both  | 199  |
| FT1069                                 | Flame Detector Sensor Cover.....   | both  | 199  | CA010101                                    | Conc Flush-Mount 3" Vent Term.....         | both  | 199  |
| FT1020                                 | Power Switch.....                  | both  | 199  | FT3006                                      | SSTL Conc Appliance Adaptor.....           | both  | 199  |
| FT1804                                 | Air Pressure Sensor.....           | both  | 199  | FT3002                                      | PP Conc Adaptor/Starter Kit.....           | both  | 199  |
| FT2017                                 | Overheat Sensor.....               | CF    | 199  | FT3003                                      | PP to Heat-Fab Adaptor.....                | both  | 199  |
| FT1635                                 | CH Return Sensor.....              | both  | 199  | FT3004                                      | PP Telescopic Conc and 90° El.....         | both  | 199  |
| FT1638                                 | DHW Outlet Sensor.....             | CF    | 199  | FT3001                                      | Polypropylene Offset Kit.....              | both  | 199  |
| FT1868                                 | DHW Recirc Sensor.....             | CF    | 199  | FT1508                                      | 2" Vent/Air Pipe Screen.....               | both  | 199  |
| FT1501                                 | Outdoor Temperature Sensor.....    | both  | 199  | FT3007                                      | Neutralizer & Pump Kit.....                | both  | 199  |
| FT1208                                 | Sensor Clip.....                   | CF    | 199  | A2123605                                    | Neutralizer media, 2.5 lb.....             | both  | 199  |
| FT1022                                 | Condensate Pressure Switch.....    | both  | 199  | A2123606                                    | Neutralizer media, 40 lb.....              | both  | 199  |
| FT1115                                 | Flow Sensor.....                   | CF    | 199  | Q2016900                                    | Neutralizer media, sold by the lb.....     | both  | 199  |
| FT1208                                 | Flow Sensor Clip.....              | CF    | 199  |                                             |                                            |       |      |
| FT1307                                 | Exhaust Overheat Sensor.....       | both  | 199  |                                             |                                            |       |      |
| FT1325                                 | Low Level Sensor.....              | both  | 199  |                                             |                                            |       |      |
| FT1827                                 | Terminal Block (6P).....           | CF    | 199  |                                             |                                            |       |      |
| FT2007                                 | Terminal Block (8P).....           | both  | 199  |                                             |                                            |       |      |

Contact the Parts Department for part numbers of items not shown.

# Mascot FT

## Models MFTCW and MFTHW - Revision 1

| Part No.                    | Description                       | Model   | Size    | Part No.                                    | Description                          | Model   | Size    |
|-----------------------------|-----------------------------------|---------|---------|---------------------------------------------|--------------------------------------|---------|---------|
| <b>GAS / AIR COMPONENTS</b> |                                   |         |         | FT1730                                      | Bird screen 3".....                  | CW      | 140     |
| FT1314                      | Burner.....                       | CW & HW | 80-140  | ST1070                                      | Condensate hose.....                 | CW & HW | ALL     |
| FT1838                      | Burner.....                       | CW & HW | 199     | FT1329                                      | Condensate hose trap.....            | CW & HW | ALL     |
| FT1309                      | Burner ass'y.....                 | CW & HW | 80-140  | FT1073                                      | Condensate trap assembly.....        | CW & HW | 80-140  |
| FT1796                      | Burner ass'y.....                 | CW      | 199     | FT1783                                      | Condensate trap assembly.....        | CW & HW | 199     |
| FT1759                      | Burner ass'y.....                 | HW      | 199     | <b>ELECTRICAL / CONTROL COMPONENTS</b>      |                                      |         |         |
| FT1824                      | Burner gasket.....                | CW & HW | 199     | R2080602                                    | Control.....                         | HW      | ALL     |
| FT1764                      | Burner downside case .....        | CW & HW | 199     | R2080601                                    | Control built June 2018 & before.... | CW      | 140     |
| FT1661                      | Burner case sealing O-ring.....   | HW      | 120-140 | R2080604                                    | Control built after June 2018.....   | CW      | 140     |
| FT1406                      | Fan.....                          | CW & HW | ALL     | R2080604                                    | Control.....                         | CW      | 199     |
| FT1862                      | Fan assembly.....                 | HW      | 80      | FT1050                                      | Control sub-bracket.....             | HW      | 80-140  |
| FT1863                      | Fan assembly.....                 | HW      | 100     | FT1019                                      | Display panel.....                   | CW      | ALL     |
| FT1864                      | Fan assembly.....                 | HW      | 120     | FT1053                                      | Display panel.....                   | HW      | ALL     |
| FT1405                      | Fan assembly.....                 | HW      | 140     | ST1006                                      | Ignition transformer.....            | CW & HW | ALL     |
| FT1407                      | Fan assembly.....                 | CW      | 140     | FT1315                                      | Ignitor.....                         | CW & HW | 80-140  |
| FT1799                      | Fan assembly.....                 | CW & HW | 199     | FT1763                                      | Ignitor.....                         | CW & HW | 199     |
| ST1038                      | Fan sealing o-ring.....           | CW & HW | ALL     | FT1316                                      | Ignitor gasket.....                  | CW & HW | ALL     |
| FT1721                      | Fan outlet gasket.....            | CW      | 140     | FT1327                                      | Flame detector sensor.....           | CW & HW | ALL     |
| FT1082                      | Fan outlet gasket.....            | CW & HW | 199     | FT1669                                      | Flame detector sensor bracket.....   | CW & HW | ALL     |
| FT1772                      | Fan guide o-ring.....             | CW & HW | 199     | FT1069                                      | Flame detector sensor cover.....     | CW & HW | ALL     |
| FT1416                      | Gas valve.....                    | CW & HW | ALL     | FT1020                                      | Power switch.....                    | CW & HW | ALL     |
| FT1413                      | Gas valve assembly.....           | CW & HW | 80-140  | FT1324                                      | Temperature sensor.....              | CW & HW | ALL     |
| FT1950                      | Gas valve assembly.....           | CW      | 199     | FT1635                                      | CH return sensor.....                | HW      | ALL     |
| FT1409                      | Gas mixer housing.....            | CW & HW | 80-140  | FT1219                                      | CH return sensor.....                | CW      | ALL     |
| FT1773                      | Air/gas mixer venturi.....        | CW & HW | 199     | FT1112                                      | Outlet sensor.....                   | CW      | ALL     |
| FT1775                      | Air/gas mixer body.....           | CW & HW | 199     | FT1501                                      | Outdoor sensor.....                  | CW & HW | ALL     |
| FT1774                      | Air/gas mixer O-ring.....         | CW & HW | 199     | FT1804                                      | Air pressure sensor.....             | CW & HW | ALL     |
| FT1865                      | Air Intake orifice.....           | HW      | 80      | (MFTCW140 after s/n F1800309)               |                                      |         |         |
| FT1866                      | Air Intake orifice.....           | HW      | 100     | FT1015                                      | Air pressure sensor.....             | CW      | 140     |
| FT1867                      | Air Intake orifice.....           | HW      | 120     | (s/n F1500364 & before)                     |                                      |         |         |
| FT1535                      | Air Intake orifice.....           | CW & HW | 140     | FT1022                                      | Condensate pressure sw.....          | CW & HW | ALL     |
| FT1821                      | Air Intake orifice.....           | CW & HW | 199     | FT1307                                      | Exhaust overheat sensor.....         | CW & HW | ALL     |
| FT1854                      | Gas orifice, natural.....         | HW      | 80      | FT1529                                      | Exhaust sensor bracket.....          | CW & HW | ALL     |
| FT1855                      | Gas orifice, natural.....         | HW      | 100     | FT1325                                      | Low level sensor.....                | CW & HW | ALL     |
| FT1856                      | Gas orifice, natural.....         | HW      | 120     | FT1310                                      | Overheat sensor.....                 | CW & HW | ALL     |
| FT1412N                     | Gas orifice, natural.....         | CW & HW | 140     | FT1115                                      | Flow sensor.....                     | CW      | ALL     |
| FT1780                      | Gas orifice, natural.....         | CW & HW | 199     | FT1208                                      | Flow sensor clip.....                | CW      | ALL     |
| FT1946                      | Gas orifice, propane.....         | HW      | 80      | FT1021                                      | Terminal block (10P).....            | CW      | 140     |
| FT1947                      | Gas orifice, propane.....         | HW      | 100     | FT1618                                      | Terminal block (12P).....            | HW      | ALL     |
| FT1948                      | Gas orifice, propane.....         | HW      | 120     | FT1827                                      | Terminal block (6P).....             | HW      | ALL     |
| FT1412P                     | Gas orifice, propane.....         | CW & HW | 140     | FT1905                                      | Wire Harness.....                    | HW      | 80-140  |
| FT1802                      | Gas orifice, propane.....         | CW & HW | 199     | FT1906                                      | Wire Harness.....                    | HW      | 199     |
| FT1010                      | Intake duct assembly.....         | CW & HW | 80-140  | FT1903                                      | Wire Harness.....                    | CW      | 140     |
| FT1812                      | Air intake hose.....              | CW      | 199     | FT1904                                      | Wire Harness.....                    | CW      | 199     |
| FT1846                      | Air intake hose.....              | HW      | 199     | FT1861                                      | Cable, communication, cascade.....   | CW & HW | ALL     |
| FT1067                      | Exhaust pipe.....                 | CW & HW | 80-140  | FT1868                                      | Sensor, system, cascade.....         | CW & HW | ALL     |
| FT1823                      | Exhaust pipe.....                 | CW & HW | 199     | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                      |         |         |
| FT1002                      | Exhaust vent duct assembly.....   | CW & HW | ALL     | FT1852                                      | Heat exchanger assembly.....         | HW      | 80-100  |
| FT1784                      | Exhaust pipe adaptor.....         | CW & HW | ALL     | FT1068                                      | Heat exchanger assembly.....         | HW      | 120-140 |
| FT1836                      | Exhaust pipe packing (lower)..... | CW & HW | 199     | FT1758                                      | Heat exchanger assembly.....         | HW      | 199     |
| FT1915                      | Damper body.....                  | CW & HW | ALL     | FT1313                                      | Heat exchanger assembly.....         | CW      | 140     |
| FT1770                      | Damper packing.....               | CW & HW | 199     | FT1992                                      | Heat exchanger assembly.....         | CW      | 199     |
| FT1419                      | Gas pipe, down.....               | CW      | 140     | FT1672                                      | Pump.....                            | HW      | 80-140  |
| FT1860                      | Gas pipe, upper.....              | HW      | 80-100  | FT1767                                      | Pump.....                            | HW      | 199     |
| FT1538                      | Gas valve inlet adaptor.....      | CW & HW | ALL     | FT1222                                      | Pump.....                            | CW      | 140     |
| FT1727                      | Gas valve o-ring.....             | CW & HW | ALL     | FT1798                                      | Pump.....                            | CW      | 199     |
| FT1919                      | Gas valve outlet adaptor.....     | CW & HW | ALL     | FT1108                                      | Pump clip.....                       | CW      | ALL     |
| FT1710                      | Gasket, gas pipe.....             | CW & HW | ALL     | FT1025                                      | Pressure gauge.....                  | CW      | ALL     |
| FT1665                      | Refractory.....                   | CW & HW | 80-140  |                                             |                                      |         |         |
| FT1826                      | Refractory.....                   | CW & HW | 199     |                                             |                                      |         |         |

# Mascot FT Models MFTCW and MFTHW (Cont.)

| Part No.                             | Description                            | Model   | Size   | Part No. | Description                                            | Model   | Size |
|--------------------------------------|----------------------------------------|---------|--------|----------|--------------------------------------------------------|---------|------|
| FT1058                               | Pressure gauge.....                    | HW      | ALL    | R2077501 | Field service kit - Wall mounted.....                  | CW & HW | ALL  |
| FT1500                               | Pressure relief valve.....             | CW & HW | ALL    |          | Contains:                                              |         |      |
| FT1323                               | DHW tank.....                          | CW      | 140    |          | CW140 PCB, CW199 PCB, HW PCB, transformer              |         |      |
| FT1794                               | DHW tank.....                          | CW      | 199    |          | air pressure sensor (2), 199 ignitor, 80-140 ignitor,  |         |      |
| FT1122                               | DHW connector.....                     | CW      | ALL    |          | flame sensor, temperature sensor, CH return sensor     |         |      |
| FT1549                               | DHW filter body.....                   | CW      | ALL    |          | low level sensor, overheat sensor, exhaust sensor,     |         |      |
| FT1121                               | DHW filter cap.....                    | CW      | ALL    |          | outlet sensor, flow sensor, 3-way valve, mixing valve, |         |      |
| FT1120                               | DHW filter mesh.....                   | CW      | ALL    |          | dhw filter, gasket kit, in a tool bag                  |         |      |
| FT1200                               | DHW hydro block assembly.....          | CW      | 140    |          |                                                        |         |      |
| FT1114                               | DHW inlet pipe.....                    | CW      | 140    |          |                                                        |         |      |
| FT1111                               | DHW nipple.....                        | CW      | ALL    |          |                                                        |         |      |
| FT1518                               | DHW outer block.....                   | CW      | ALL    |          |                                                        |         |      |
| FT1109                               | DHW outlet pipe.....                   | CW      | 140    |          |                                                        |         |      |
| FT1523                               | Return block.....                      | CW      | ALL    |          |                                                        |         |      |
| FT1100                               | CH Hydro block Ass'y.....              | CW      | 140    |          |                                                        |         |      |
| FT1853                               | CH outlet pipe.....                    | HW      | 80-100 |          |                                                        |         |      |
| FT1218                               | CH return pipe.....                    | CW      | 140    |          |                                                        |         |      |
| FT1072                               | CH return pipe-2.....                  | HW      | 80-140 |          |                                                        |         |      |
| FT1215                               | CH return, supply connector.....       | CW      | ALL    |          |                                                        |         |      |
| FT1322                               | CH supply upper pipe.....              | CW      | 140    |          |                                                        |         |      |
| FT1809                               | CH supply upper pipe.....              | CW      | 199    |          |                                                        |         |      |
| FT1216                               | CH filter.....                         | CW      | ALL    |          |                                                        |         |      |
| FT1220                               | 3-way valve.....                       | CW      | ALL    |          |                                                        |         |      |
| FT1116                               | Mixing valve.....                      | CW      | ALL    |          |                                                        |         |      |
| FT1107                               | Piping clip.....                       | CW      | ALL    |          |                                                        |         |      |
| FT1119                               | Flow restrictor.....                   | CW      | 140    |          |                                                        |         |      |
| FT1506                               | Flow restrictor (5L).....              | CW      | 140    |          |                                                        |         |      |
| FT1822                               | Flow restrictor.....                   | CW      | 199    |          |                                                        |         |      |
| FT1321                               | Air vent.....                          | CW & HW | ALL    |          |                                                        |         |      |
| <b>JACKET &amp; MISC. COMPONENTS</b> |                                        |         |        |          |                                                        |         |      |
| FT1024                               | Display cover / window.....            | CW & HW | ALL    |          |                                                        |         |      |
| FT1923                               | Front cover.....                       | CW      | ALL    |          |                                                        |         |      |
| FT1876                               | Front cover.....                       | CW      | 140    |          |                                                        |         |      |
| FT1054                               | Front cover.....                       | HW      | 80-140 |          |                                                        |         |      |
| FT1949                               | Front cover.....                       | HW      | 199    |          |                                                        |         |      |
| FT1057                               | Wall bracket (bottom).....             | CW & HW | 199    |          |                                                        |         |      |
| FT1055                               | Wall bracket (top).....                | CW & HW | 199    |          |                                                        |         |      |
| FT1894                               | Wall hung bracket.....                 | CW & HW | ALL    |          |                                                        |         |      |
| FT1217                               | U-Clip.....                            | CW      | ALL    |          |                                                        |         |      |
| FT1051                               | Bracket.....                           | HW      | 80-140 |          |                                                        |         |      |
| FT1720                               | Mesh.....                              | CW & HW | 80-140 |          |                                                        |         |      |
| FT1504                               | Spare gaskets kit.....                 | CW      | ALL    |          |                                                        |         |      |
| FT1604                               | Packing.....                           | CW & HW | ALL    |          |                                                        |         |      |
| FT1691                               | 1" Packing.....                        | CW & HW | ALL    |          |                                                        |         |      |
| FT1645                               | 1/2" Packing.....                      | CW & HW | ALL    |          |                                                        |         |      |
| FT1710                               | 1/2" Spiral packing.....               | CW & HW | ALL    |          |                                                        |         |      |
| FT1646                               | 3/4" packing.....                      | CW & HW | ALL    |          |                                                        |         |      |
| FT1060                               | 3/8" Packing.....                      | HW      | ALL    |          |                                                        |         |      |
| FT1685                               | O-Ring P15.....                        | CW      | ALL    |          |                                                        |         |      |
| FT1643                               | O-Ring P16.....                        | CW      | ALL    |          |                                                        |         |      |
| FT1687                               | O-Ring P18.....                        | CW      | ALL    |          |                                                        |         |      |
| FT1513                               | O-Ring P20.....                        | CW      | ALL    |          |                                                        |         |      |
| FT1644                               | O-Ring P22.....                        | CW & HW | ALL    |          |                                                        |         |      |
| FT1515                               | O-Ring P22A.....                       | CW      | ALL    |          |                                                        |         |      |
| FT1516                               | O-Ring P25.....                        | CW      | ALL    |          |                                                        |         |      |
| FT1601                               | O-Ring P7.....                         | CW & HW | ALL    |          |                                                        |         |      |
| A2123605                             | Neutralizer media, 2.5 lb.....         | CW & HW | ALL    |          |                                                        |         |      |
| A2123606                             | Neutralizer media, 40 lb.....          | CW & HW | ALL    |          |                                                        |         |      |
| Q2016900                             | Neutralizer media, sold by the lb..... | CW & HW | ALL    |          |                                                        |         |      |

# Mascot ST

Model MSTWW199

| Part No.                     | Description                        | Part No.                                    | Description                             |
|------------------------------|------------------------------------|---------------------------------------------|-----------------------------------------|
| <b>GAS / AIR COMPONENTS</b>  |                                    | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                         |
| FT1750                       | Gas Valve                          | ST1029                                      | Heat exchanger assembly                 |
| ST1060                       | Gas valve assembly                 | ST1076                                      | Secondary heat exchanger                |
| FT1919                       | Gas Valve Adapter (pipe to valve)  | ST1021                                      | Water inlet valve assembly              |
| ST1062                       | Gas valve plug                     | ST1024                                      | Water inlet filter                      |
| ST1042                       | Burner Assembly                    | ST1020                                      | Flow control valve                      |
| ST1048                       | Metal fiber assembly (burner)      | ST1050                                      | Mixing valve                            |
| ST1036                       | Blower assembly                    | ST1077                                      | Heat exchanger / burner gasket          |
| ST1037                       | Blower                             |                                             |                                         |
| ST1038                       | Blower o-ring                      | <b>MISC. COMPONENTS</b>                     |                                         |
| ST1039                       | AGM (actuator)                     | ST1069                                      | Spare gaskets kit                       |
| ST1001                       | Exhaust connector assembly         | R2077503                                    | Field service kit                       |
| ST1030                       | Exhaust pipe assembly (up)         |                                             | Contains: control, air pressure         |
| ST1031                       | Exhaust temperature sensor         |                                             | switch, mixing valve, ignition rod,     |
| ST1032                       | Exhaust gasket packing 1           |                                             | spare gasket kit, ignition transformer, |
| ST1033                       | Exh pipe ass'y w/ cond collect pan |                                             | flow control valve, water inlet filter, |
| ST1034                       | Exhaust gasket packing 2           |                                             | ceramic heater, sensors (inlet,         |
| ST1028                       | Air intake connector assembly      |                                             | hx temp, hx overheat, exhaust temp,     |
| ST1012                       | Condensate trap assembly           |                                             | exhaust overheat, flame detector),      |
| ST1079                       | Internal condensate hose           |                                             | in tool bag.                            |
| ST1070                       | Condensate hose                    | A2123605                                    | Neutralizer media, 2.5 lb               |
| ST1040                       | Silencer elbow                     | A2123606                                    | Neutralizer media, 40 lb                |
| ST1041                       | Silencer body                      | Q2016900                                    | Neutralizer media, sold by the lb       |
| ST1073                       | Bird screen, 2 Inch                |                                             |                                         |
| <b>ELECTRICAL COMPONENTS</b> |                                    |                                             |                                         |
| ST1017                       | Control board (PCB)                |                                             |                                         |
| ST1016                       | Display panel                      |                                             |                                         |
| FT1024                       | Display panel cover                |                                             |                                         |
| ST1045                       | Ignition rod                       |                                             |                                         |
| ST1044                       | Ignition rod gasket                |                                             |                                         |
| FT1327                       | Sensor, flame detector             |                                             |                                         |
| ST1006                       | Ignition transformer               |                                             |                                         |
| ST1019                       | Power switch                       |                                             |                                         |
| ST1011                       | Water outlet sensor                |                                             |                                         |
| ST1023                       | Water inlet sensor                 |                                             |                                         |
| ST1008                       | Overheat sensor (150C)             |                                             |                                         |
| ST1047                       | Overheat sensor (burner)           |                                             |                                         |
| ST1051                       | Heat exchanger temp sensor (OP)    |                                             |                                         |
| ST1052                       | Overheat sensor (heat exchanger)   |                                             |                                         |
| ST1056                       | Ceramic heater                     |                                             |                                         |
| ST1014                       | Air pressure switch                |                                             |                                         |
| FT1861                       | Cable, communication, cascade      |                                             |                                         |

# Mascot LX

## Models MLXCW & MLXHW

| Part No.                               | Description                                                                        | Size    | Part No.                                    | Description                                 | Size    |
|----------------------------------------|------------------------------------------------------------------------------------|---------|---------------------------------------------|---------------------------------------------|---------|
| <b>GAS / AIR COMPONENTS</b>            |                                                                                    |         | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                             |         |
| A2122400                               | Blower.....                                                                        | 50-75   | 05P2100                                     | Heat exchanger.....                         | 50      |
| A2122500                               | Blower.....                                                                        | 100-125 | 07P2100                                     | Heat exchanger.....                         | 75      |
| RA2114200                              | Blower.....                                                                        | 150-220 | 10P2100                                     | Heat exchanger.....                         | 100     |
| 12P2065                                | Blower mounting plate.....                                                         | 50-220  | 12P2100                                     | Heat exchanger.....                         | 125     |
| S2105400                               | Gasket, blower outlet.....                                                         | 50-220  | 15P2100                                     | Heat exchanger.....                         | 150     |
| S2124500                               | O-ring, blower inlet.....                                                          | 50-220  | 17P2100                                     | Heat exchanger.....                         | 175     |
| S2127900                               | Gasket, blower mounting plate.....                                                 | 50-220  | 22P2100                                     | Heat exchanger.....                         | 220     |
| S2127300                               | Gasket, blower mounting plate.....                                                 | 50-220  | A2117700                                    | Pump .....                                  | 50-125  |
| RL2018401                              | Burner.....                                                                        | 50-75   | A2122600                                    | Pump .....                                  | 150-220 |
| RL2018402                              | Burner.....                                                                        | 100     | A2122004                                    | 3-way valve & actuator.....                 | 125-175 |
| RL2018403                              | Burner.....                                                                        | 125-175 | P2093100                                    | Coupling, SS, 1/2" NPT, for DHW sensor..... | 125-175 |
| R2069104                               | Burner.....                                                                        | 220     | A2117600                                    | Gauge, pressure & temperature.....          | 50-220  |
| V2022700                               | Valve, gas.....                                                                    | 50-220  | P2074500                                    | Air vent.....                               | 50-220  |
| S2125000                               | O-ring, gas valve to gas pipe.....                                                 | 50-220  | F2027600                                    | Washer, sealing, 1.19" OD x .79"ID.....     | 125-175 |
| W2014200                               | Ignitor, spark.....                                                                | 50-220  | S2115100                                    | O-ring, 20.04mm ID x 27.10mm OD.....        | 125-175 |
| RW2013300                              | Gasket, ignitor.....                                                               | 50-220  | P2074600                                    | Switch, low water pressure.....             | 50-220  |
| W2014300                               | Sensor, flame.....                                                                 | 50-220  | <b>JACKET / BASE COMPONENTS</b>             |                                             |         |
| E2348100                               | Switch, low air pressure.....                                                      | 50-220  | 12P3006                                     | Panel, top.....                             | 50-220  |
| A2117500                               | Condensate trap.....                                                               | 50-125  | 12P7015                                     | Panel, middle.....                          | 50-125  |
| P2067603                               | Pipe, PVC, 3/4" sch 40 x 6" long.....                                              | 50-125  | 12P3004                                     | Panel, bottom.....                          | 150-220 |
| S2116300                               | O-ring, 1" ID x 1-3/16" OD.....                                                    | 50-125  | 12P3005                                     | Panel, bottom.....                          | 50-220  |
| 12H5500                                | Adapter, vent, CPVC.....                                                           | 50-220  | S2114000                                    | Grommet                                     |         |
| 12H5501                                | Gasket, vent adapter.....                                                          | 50-220  | <b>NEUTRALIZER MEDIA</b>                    |                                             |         |
| 500-168                                | Plug, hex, 1/8" NPT.....                                                           | 50-220  | A2123605                                    | Neutralizer media, 2.5 lb.....              | all     |
| <b>ELECTRICAL / CONTROL COMPONENTS</b> |                                                                                    |         | A2123606                                    | Neutralizer media, 40 lb.....               | all     |
| RE23569001                             | Control board.....                                                                 | 50-220  | Q2016900                                    | Neutralizer media, sold by lb.....          | all     |
|                                        | Firmware / date codes 4555296_00,<br>R01A_140918 to R01A_141218 and<br>R02A_150210 |         |                                             |                                             |         |
| RE23569002                             | Control board.....                                                                 | 50-220  |                                             |                                             |         |
|                                        | Firmware / date code R02A_150729                                                   |         |                                             |                                             |         |
| RE23569003                             | Control board.....                                                                 | 50-220  |                                             |                                             |         |
|                                        | Firmware / date code R02A_150909 & later                                           |         |                                             |                                             |         |
| E2356800                               | Display.....                                                                       | 50-220  |                                             |                                             |         |
| E2357500                               | Sensor, water outlet.....                                                          | 50-220  |                                             |                                             |         |
| E2357000                               | Sensor, water inlet.....                                                           | 50-220  |                                             |                                             |         |
| RE2337501                              | Sensor, DHW temperature.....                                                       | 125     |                                             |                                             |         |
| RE2337502                              | Sensor, DHW temperature.....                                                       | 150-175 |                                             |                                             |         |
| R2076500                               | Sensor, flow, DHW, to replace old sensor.....                                      | 125-175 |                                             |                                             |         |
|                                        | with new sensor, wire harness & coupling                                           |         |                                             |                                             |         |
| RE2362400                              | Sensor, flow, DHW, to replace just the.....                                        | 125-175 |                                             |                                             |         |
|                                        | current sensor                                                                     |         |                                             |                                             |         |
| E2357200                               | Sensor, flue, duplex.....                                                          | 50-220  |                                             |                                             |         |
| E2357300                               | Grommet, flue sensor.....                                                          | 50-220  |                                             |                                             |         |
| E2357700                               | Cover, display, push button.....                                                   | 50-220  |                                             |                                             |         |
| R0021300                               | Transformer, 40VA, 115/24V.....                                                    | 50-220  |                                             |                                             |         |
| E2335100                               | Circuit breaker, 2A.....                                                           | 50-220  |                                             |                                             |         |
| E2318900                               | Circuit breaker, 10A.....                                                          | 50-220  |                                             |                                             |         |
| E2335000                               | Switch, rocker, 120V, amber.....                                                   | 50-220  |                                             |                                             |         |
| 05P7400                                | Wire harness, complete.....                                                        | 50-100  |                                             |                                             |         |
| 12P7400                                | Wire harness, complete.....                                                        | 125-150 |                                             |                                             |         |
| 17P7400                                | Wire harness, complete.....                                                        | 175-220 |                                             |                                             |         |
| R2072900                               | LWCO with harness, optional.....                                                   | 50-220  |                                             |                                             |         |
| E2338600                               | Cube relay.....                                                                    | 50-220  |                                             |                                             |         |

# Mascot II

## Models LMC & LMH

| Part No.                                    | Description                                   | Part No.                      | Description                                  |
|---------------------------------------------|-----------------------------------------------|-------------------------------|----------------------------------------------|
| <b>GAS / AIR COMPONENTS</b>                 |                                               |                               |                                              |
| R2069102                                    | Burner with gasket and screws                 | 12H4008                       | Pipe, 3-way valve to DHW                     |
| RS2108500                                   | Burner gasket                                 | 12H4012                       | Bracket, control valve                       |
| R2069200                                    | Flame sensor with gasket                      | 12H4019                       | Bracket, 3-way valve                         |
| RW2013400                                   | Flame sensor gasket                           | 12H4022                       | Bracket, capture, hex                        |
| R2069300                                    | Ignitor with gasket                           | R2071601                      | Pipe, tail piece, before Jan 10, 2010        |
| RW2013300                                   | Ignitor gasket                                | R2071602                      | Pipe, tail piece, Jan 10, 2010 or after      |
| RS2112801                                   | Burner door with gaskets                      | P2074500                      | Air vent, auto, 1/4"                         |
| R2069400                                    | Burner door gasket                            | F2025502                      | Washer, sealing, 0.93 OD x 0.62 ID           |
| R2075501                                    | Gas valve kit with propane orifice            | F2027500                      | Washer, sealing, 0.59 OD x 0.32 ID poly      |
| RA2107500                                   | Blower, combustion air                        | F2027700                      | Washer, sealing, 0.410 OD                    |
| S2105400                                    | Blower gasket                                 | S2115100                      | O-ring, 20.04mm ID x 27.10mm OD              |
| R50D2021                                    | Tile, refractory, rear                        | S2116000                      | O-ring, 2-1/8" ID x 3/32" thick              |
| RT2109001                                   | Tile, refractory, front                       | 12H3023                       | Washer, clamping, hx bracket                 |
| RS2108400                                   | Air/gas channel                               | 12H4001                       | Pipe, hx outlet to DHW                       |
| RS2109400                                   | Screw, air/gas channel                        | 12H4004                       | Pipe, pump to hx inlet                       |
| 12H4011                                     | Pipe, gas / sensor tube                       | 12H4006                       | Pipe, expansion tank                         |
| 12H5002                                     | Plate, venturi SIT                            | 12H4010                       | Pipe, air vent                               |
| 12H5500                                     | Adapter, vent, CPVC                           | F2027000                      | Screw, #8-18 x 1/2", phil pan hd             |
| 12H5501                                     | Gasket, vent adapter                          | F2025300                      | Screw, M5-0.8 x 14mm, soc hd                 |
| A2117500                                    | Condensate trap                               | F2029300                      | Screw, M5 x 8, soc hd cap                    |
| R2075500                                    | Conversion kit, natural to propane            | S2112700                      | Screw, M4 X 10 soc hd cap                    |
|                                             |                                               | F2023700                      | Washer M5, lock internal tooth               |
|                                             |                                               | F2029000                      | Cotter pin                                   |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>      |                                               | S2114800                      | Bumper, rubber                               |
| R12H7060                                    | Control, programmed - LMC                     | S2114000                      | Grommet, pipe, wire, multi size, rubber      |
| R12H7061                                    | Control, programmed - LMH                     | P2067603                      | Pipe, PVC, 3/4" sch 41                       |
| RE2310500                                   | Sensor, outdoor air temperature               | 500-168                       | Plug, hex 1/8" NPT                           |
| RE2319700                                   | Sensor, stack temperature                     | 10-596                        | Tee, 1" barb, plastic                        |
| RE2319900                                   | Sensor, water temperature, duplex, outlet     | 12H2500                       | Hose, drain, condensate                      |
| RE2320600                                   | Sensor, water temperature, inlet              | <b>JACKET/BASE COMPONENTS</b> |                                              |
| RE2333500                                   | Display module, LMH                           | 12H3001                       | Jacket assembly                              |
| RE2333501                                   | Display module, LMC                           | 12H3011                       | Base, jacket                                 |
| RE2337501                                   | Sensor, domestic water                        | 12H3003                       | Panel, front middle with control, LMH        |
| R0021300                                    | Transformer, 40VA, 115V/24V                   | 12H3004                       | Panel, front bottom with control, LMC        |
| 12H7005                                     | Wire (spark ignitor cable)                    | 12H3005                       | Panel, front top, plastic and metal together |
| 12H7008                                     | Wire, flame sensor                            | 12H3007                       | Hinge, front panel, bottom                   |
| R12H7009                                    | Connector assembly, gas valve                 | 12H3008                       | Hinge, front panel, middle                   |
| 12H7010                                     | Wire harness, main, LMH                       | 12H3015                       | Panel, front top                             |
| E2318900                                    | Circuit breaker, 10A, 120V                    | 12H3017                       | Support, middle panel                        |
| E2334500                                    | Plug, 3-prong with cord                       | 12H3018                       | Panel, right side                            |
| E2334501                                    | Harness, wire, power switch/ circuit breaker  | 12H3019                       | Panel, left side                             |
| E2334502                                    | Harness, wire, display/+24V circuit breaker   | 12H3025                       | Panel, front bottom with control, LMH        |
| E2335000                                    | Switch, rocker, 120V, amber                   | 12H3033                       | Panel, front middle with control, LMC        |
| E2335100                                    | Circuit breaker, 2A, 120V                     | 12H7001                       | Panel, top upper, plastic                    |
| E2336500                                    | Air pressure switch, 2.80" w.c., blocked vent | 12H7002                       | Panel, front middle, plastic                 |
| E2343200                                    | Wire harness, main, LMC                       | 12H7003                       | Panel, front bottom, plastic                 |
| E2338600                                    | Cube relay                                    | 12H7004                       | Bracket, mounting, control                   |
| E2334900                                    | Switch, pressure, air/gas, inlet, fan proving | F2028200                      | Washer, retaining, .50 OD, nylon             |
|                                             |                                               | F2028300                      | Latch, magnet, .56 dia.                      |
| <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                               | R2073903                      | Gasket, strip, foam 3/8"x1/8", 3 feet        |
| S2113800                                    | Heat exchanger                                | R2073904                      | Gasket, strip, foam 3/8"x1/8", 4 feet        |
| S2115900                                    | Heat exchanger, plate, DHW                    | R2073909                      | Gasket, strip, foam 3/8"x1/8", 9 feet        |
| S2116300                                    | O-ring, 1" DI x 1-3/16" OD                    | R2073914                      | Gasket, strip, foam 3/8"x1/8", 14 feet       |
| A2117600                                    | Gauge, pressure & temp, remote                | R2073915                      | Gasket, strip, foam 3/8"x1/8", 15 feet       |
| A2117400                                    | Expansion tank                                | R2073970                      | Gasket, strip, foam 3/8"x1/8", 70 feet       |
| 12H3006                                     | Gasket, expansion tank                        | 10-103                        | Screw, hex head, 1/4-20 unc. x .75"          |
| 12H3020                                     | Bracket, expansion tank                       | 12H3010                       | Bracket, hx, right side                      |
| R2072400                                    | Flow switch                                   | 12H3016                       | Bracket, hx, left side                       |
| E2337400                                    | Flow switch                                   | 12H3009                       | Bracket, transformer                         |
| R1-581                                      | Flow restrictor                               | 12H3012                       | Bracket, wall attachment                     |
| P2074600                                    | Water pressure switch                         | F2001900                      | Screw, 8-32unc x 1.5"                        |
| A2117700                                    | Pump, UPS15-58RU                              | F2015900                      | Rivet, pop, 3/16 dia.                        |
| RA2117803                                   | Actuator, 4-wire                              | F2027000                      | Screw, #8-18 x 1/2" phil pan hd              |

# Endurance Models EDP, EDN & EBP

Sizes 110,000 - 175,000 BTU/h

| Part No.                                                             | Description                                         | Style*    | Size | Part No.                                    | Description                                 | Style*    | Size  |
|----------------------------------------------------------------------|-----------------------------------------------------|-----------|------|---------------------------------------------|---------------------------------------------|-----------|-------|
| <b>GAS / AIR COMPONENTS</b>                                          |                                                     |           |      | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                             |           |       |
| 2400-548                                                             | Gas valve, (Honeywell).....                         | both..... | all  | 2400-570                                    | Heat exch, flat plate, with gasket DHW..... | both..... | EBP   |
| R30-227                                                              | Gas valve flange gasket.....                        | both..... | all  | 2400-572                                    | Gaskets, DHW heat exchanger.....            | both..... | EBP   |
| 2400-560                                                             | Gas shutoff valve.....                              | both..... | all  | 2400-520                                    | Transfer tank.....                          | old.....  | EBP   |
| 31-325                                                               | Manifold gas inlet.....                             | both..... | 175  | 2400-586                                    | Transfer tank (before s/n E07192692.....    | new.....  | EBP   |
| 40-325                                                               | Manifold gas inlet.....                             | both..... | 110  | 2400-650                                    | Transfer tank (s/n E07192692 & after).....  | new.....  | EBP   |
| 2400-142                                                             | Adjustable combustion air inlet.....                | both..... | all  | 2400-386                                    | Pump, EBP / EDP.....                        | both..... | 175   |
| 2400-145                                                             | Gas orifice kit (4 options, nat/LP, 110/175).....   | both..... | all  | 2400-592                                    | Pump, EBP / EDP.....                        | both..... | 110   |
| 2400-146                                                             | Gas orifice kit hi alt. (4 opt nat/LP 110/175)..... | both..... | all  | 2400-388                                    | Pump, EDN.....                              | both..... | all   |
| 2400-516                                                             | Burner with gaskets.....                            | both..... | 110  | 2400-029                                    | Thermostat & o-ring for union.....          | both..... | all   |
| 2400-518                                                             | Burner with gaskets.....                            | both..... | 175  | 2400-574                                    | Pressure gauge.....                         | both..... | all   |
| 2400-514                                                             | Burner gasket.....                                  | both..... | all  | 2400-112                                    | Pressure relief valve.....                  | both..... | all   |
| 2400-524                                                             | Blower with gaskets.....                            | both..... | all  | 1-579                                       | Flow restrictor, 5 gpm, EBP.....            | both..... | 175   |
| 2400-540                                                             | Gasket, blower.....                                 | both..... | all  | 1-580                                       | Flow restrictor, 4 gpm, EBP.....            | both..... | 110   |
| 30-188                                                               | O-ring, blower.....                                 | both..... | all  | 2400-522                                    | Boiler drain.....                           | both..... | EBP   |
| 2400-526                                                             | Ignitor with gasket.....                            | both..... | all  | 2400-530                                    | Air vent (coin vent).....                   | both..... | all   |
| 2400-528                                                             | Gasket, ignitor / flame sensor.....                 | both..... | all  | 2400-566                                    | Gaskets, pump flange.....                   | both..... | all   |
| 30-205                                                               | Cork gasket, air inlet.....                         | old       | EBP  | R2028200                                    | Water flow switch with tubing, EBP.....     | both..... | all   |
| A2108100                                                             | Plastic blower cover.....                           | both..... | all  | R2072400                                    | Water flow switch, EBP.....                 | new.....  | EBP   |
| <b>COMBUSTION CHAMBER KITS</b>                                       |                                                     |           |      | 2400-506                                    | Insulation, coil cover.....                 | both..... | all   |
| <i>Includes chamber, heat exchanger coil, insulation and gaskets</i> |                                                     |           |      | 2400-508                                    | Insulation, boiler coil.....                | both..... | all   |
| 2400-510                                                             | Comb. chamber / coil assembly, EBP.....             | both..... | 110  | <b>JACKET / BASE COMPONENTS</b>             |                                             |           |       |
| 2400-512                                                             | Comb. chamber / coil assembly, EBP.....             | both..... | 175  | 2400-049                                    | Control box cover with labels, white.....   | old.....  | all   |
| 2400-593                                                             | Comb. chamber / coil assembly, EDP/EDN.....         | both..... | 110  | 2400-450                                    | Control box cover with labels, black.....   | new.....  | all   |
| 2400-594                                                             | Comb. chamber / coil assembly, EDP/EDN.....         | both..... | 175  | 30-677                                      | Collar, vent stack.....                     | new       | all   |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>                               |                                                     |           |      | 40-250                                      | Jacket surround.....                        | old       | EDP   |
| 36-288                                                               | Standoff clips for control board.....               | old.....  | all  | 40-301                                      | Jacket surround.....                        | new       | EDP/N |
| 2400-441                                                             | Ignition control.....                               | new.....  | all  | 30-251                                      | Panel, access.....                          | old       | EDP   |
| 2400-442                                                             | PWM board.....                                      | new.....  | all  | 30-253                                      | Panel, access.....                          | new       | EDP/N |
| R2080802                                                             | Control Replacement, EBP.....                       | new.....  | 110  | 36-640                                      | Panel, back.....                            | both      | EBP   |
| R2080803                                                             | Control Replacement, EBP.....                       | new.....  | 175  | 40-302                                      | Panel, base.....                            | new       | EDP/N |
| R0560701                                                             | Valve rectifier (on-off switch).....                | both..... | all  | 36-643                                      | Panel, door.....                            | both      | EBP   |
| 2400-550                                                             | Safety limit, 230°F.....                            | both..... | all  | 40-304                                      | Panel, front.....                           | new       | EDP/N |
| 2400-443                                                             | Wire harness, EBP.....                              | new.....  | all  | 36-641                                      | Panel, left side.....                       | both      | EBP   |
| 2400-444                                                             | Wire harness, EDP/EDN.....                          | new.....  | all  | 36-642                                      | Panel, right side.....                      | both      | EBP   |
| 30-310                                                               | Wire harness, EBP.....                              | old.....  | all  | 30-678                                      | Panel, top.....                             | new       | EBP   |
| 40-310                                                               | Wire harness, EDP/EDN.....                          | old.....  | all  | 40-678                                      | Panel, top.....                             | new       | EDP/N |
| 2400-445                                                             | Sensor, tank & supply (white).....                  | new.....  | all  | 40-014                                      | Pump base assembly.....                     | both      | EDP   |
| 2400-446                                                             | Sensor, return (white).....                         | new.....  | all  | 40-303                                      | Base rail.....                              | new       | EDP/N |
| 2400-552                                                             | Sensor, boiler flow tank, EBP (F4) supply.....      | old.....  | all  | 36-010                                      | Bottom.....                                 | both      | EBP   |
| 2400-556                                                             | Sensor, boiler return (F6) above pump.....          | old.....  | all  | 40-010                                      | Bottom.....                                 | old       | EDP   |
| 2400-448                                                             | Transformer.....                                    | new.....  | all  | 36-028                                      | Bottom insulation.....                      | old       | EBP   |
| 2400-562                                                             | Transformer.....                                    | old.....  | all  | S2006600                                    | Gasket, closed cell, sold by the foot.....  | both      | all   |
| 2400-568                                                             | Reset switch.....                                   | both..... | all  |                                             |                                             |           |       |
| 30-616                                                               | Fuse, line voltage (on boiler control).....         | old.....  | all  |                                             |                                             |           |       |
| 2400-451                                                             | Valve, anti condensing.....                         | new.....  | all  |                                             |                                             |           |       |
| 2400-538                                                             | Valve, anti condensing, EBP.....                    | old.....  | all  |                                             |                                             |           |       |
| 2400-141                                                             | Cartridge, anti condensing valve.....               | old.....  | all  |                                             |                                             |           |       |
| 2400-539                                                             | Motor, anti condensing, valve, EBP.....             | old.....  | all  |                                             |                                             |           |       |
| E0000700                                                             | 5-Amp fuse.....                                     | both..... | all  |                                             |                                             |           |       |
| R2006100                                                             | Relay, EDP/EDN.....                                 | new.....  | all  |                                             |                                             |           |       |

# Endurance Models EDP, EDN & EBP (Cont.)

| Part No.                                                               | Description                                | Part No.                                        | Description                                |
|------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------|--------------------------------------------|
| <b>FIELD SERVICE KITS</b>                                              |                                            | <b>VENTING - With Built-in Silicone Gaskets</b> |                                            |
| <b>2400-152</b>                                                        | <b>Field Service Kit..... new..... EDP</b> | <b>3" Vent Parts (non-concentric)</b>           |                                            |
| <i>Contains parts from the following kits:</i>                         |                                            | 2400-370                                        | 3" vertical vent cap                       |
| E0000700                                                               | Fuses (4)                                  | 2400-407                                        | 3" 90° elbow                               |
| 2400-442                                                               | PWM board                                  | 2400-408                                        | 3" 45° elbow                               |
| 2400-526                                                               | Ignitor / flame sensor with gaskets        | 2400-409                                        | 3" condensate tee                          |
| 2400-446                                                               | Sensor, return                             | 2400-410                                        | 3" x 12" straight                          |
| 2400-445                                                               | Sensor, tank & supply                      | 2400-411                                        | 3" x 24" straight                          |
| 2400-029                                                               | Thermostat & o-ring for union              | 2400-412                                        | 3" x 48" straight                          |
| R2006100                                                               | Relay, EDP/EDN                             | 2400-413                                        | 3" x 6" to 19" straight, telescoping       |
| 2400-441                                                               | Ignition control                           | 2400-415                                        | 3" room air adapter with screen            |
| 2400-550                                                               | Safety limit, 230°F                        | 2400-426                                        | 3" terminal with screen                    |
| 2400-590                                                               | Gasket kit                                 | 2400-435                                        | 3" / 5" boiler adapter with fresh air tee  |
| <b>2400-153</b>                                                        | <b>Field Service Kit..... new..... EBP</b> | <b>3" / 5" Concentric Vent Parts</b>            |                                            |
| <i>Contains parts from the following kits:</i>                         |                                            | 2400-277                                        | 5" side wall terminal, concentric          |
| E0000700                                                               | Fuses (4)                                  | 2400-280                                        | 5" galvanized wall flange, concentric      |
| 2400-442                                                               | PWM board                                  | 2400-281                                        | Rubber wall flange (wall or cone flashing) |
| 2400-526                                                               | Ignitor / flame sensor with gaskets        | 2400-416                                        | 3" / 5" rain cap, concentric               |
| 2400-446                                                               | Sensor, return                             | 2400-418                                        | 3" / 5" 90° elbow, concentric              |
| 2400-445                                                               | Sensor, tank & supply                      | 2400-419                                        | 3" / 5" 45° elbow, concentric              |
| 2400-441                                                               | Ignition control                           | 2400-420                                        | 3" / 5" boiler adapter, concentric         |
| 2400-550                                                               | Safety limit, 230°F                        | 2400-421                                        | 3" / 5" condensate trap, concentric        |
| 2400-590                                                               | Gasket kit                                 | 2400-422                                        | 3" / 5" vertical termination, concentric   |
| <b>2400-590</b>                                                        | <b>Gasket Kit..... both..... all</b>       | 2400-423                                        | 3" / 5" x 12" straight, concentric         |
| <i>Contains the following parts:</i>                                   |                                            | 2400-424                                        | 3" / 5" x 12.5" to 19" telescoping, conc   |
| 2400-514                                                               | Gasket, burner                             | 2400-425                                        | 3" / 5" x 36" straight, concentric         |
| 2400-540                                                               | Gasket, blower                             | 2400-428                                        | 3" / 5" vent terminal extension, conc      |
| 30-103                                                                 | Gaskets, 1" nut (2)                        | 2400-433                                        | 3" / 5" x 24" straight, concentric         |
| 30-119                                                                 | Gaskets, 1/2" nut (2)                      | 2400-437                                        | 5" support clamp                           |
| 30-188                                                                 | O-ring, blower                             | 2400-438                                        | Cone flashing, 6/12 to 12/12 roof pitch    |
| 30-192                                                                 | Gasket, Ignitor (2)                        | 2400-452                                        | 3" side wall terminal, concentric          |
| 30-205                                                                 | Gasket, air inlet (cork)                   |                                                 |                                            |
| S2009300                                                               | Gasket, DHW heat exchanger                 |                                                 |                                            |
| <i>*NOTE: "Old" units blue jackets, "New" units have grey jackets.</i> |                                            |                                                 |                                            |

# Mighty Therm 2

Sizes 200,000 - 400,000 BTU/h

| Part No.                                                              | Description                                     | Size      | Part No.                                    | Description                                    | Size      |
|-----------------------------------------------------------------------|-------------------------------------------------|-----------|---------------------------------------------|------------------------------------------------|-----------|
| <b>GAS / AIR COMPONENTS</b>                                           |                                                 |           | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                                |           |
| V0079400                                                              | Gas valve, natural.....                         | all       | E0102000                                    | Jumper, terminal block.....                    | all       |
| V0079500                                                              | Gas valve, propane.....                         | all       | 2C7005                                      | Cover, transformer.....                        | all       |
| RE0254000                                                             | Blower.....                                     | all       | 2F7001                                      | Control panel tray, rev 2**.....               | all       |
| S2104400                                                              | Gasket, blower.....                             | all       | 2F7002                                      | Control panel tray, rev 1**.....               | all       |
| S2104500                                                              | Gasket, blower duct.....                        | all       | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                                |           |
| 2C5000                                                                | Assembly, air shutter, blower.....              | all       | R2C4100                                     | Tube assembly, copper, with gaskets.....       | 200       |
| L0063300                                                              | Burner, main.....                               | all       | R2C4120                                     | Tube assembly, cupro-nickel with gaskets.....  | 200       |
| S2104300                                                              | Gasket, burner.....                             | all       | R3C4100                                     | Tube assembly, copper, with gaskets.....       | 300       |
| RW2002300                                                             | Ignitor, hot surface, with gasket.....          | all       | R3C4120                                     | Tube assembly, cupro-nickel with gaskets.....  | 300       |
| 10-332                                                                | Gasket, ignitor.....                            | all       | R4C4100                                     | Tube assembly, copper, with gaskets.....       | 400       |
| L0062900                                                              | Orifice, natural.....                           | all       | R4C4120                                     | Tube assembly, cupro-nickel with gaskets.....  | 400       |
| L0063000                                                              | Orifice, propane.....                           | all       | R2F4205                                     | Complete heat exch, copper, H-stamp.....       | 200       |
| F2022400                                                              | Spacer, gas orifice.....                        | all       | R3F4205                                     | Complete heat exch, copper, H-stamp.....       | 300       |
| L0063402                                                              | Manifold, gas, 2-port, 2-stage, right bank..... | 200       | R4F4205                                     | Complete heat exch, copper, H-stamp.....       | 400       |
| L0063403                                                              | Manifold, gas, 3-port, 2-stage, right bank..... | 300       | R2F4205W                                    | Complete heat exch, copper, HLW-stamp.....     | MT2V 200  |
| L0063404                                                              | Manifold, gas, 2-port, 2-stage, left bank.....  | 200       | R3F4205W                                    | Complete heat exch, copper, HLW-stamp.....     | MT2V 300  |
| L0063405                                                              | Manifold, gas, 4-port, 2-stage, right bank..... | 400       | R4F4205W                                    | Complete heat exch, copper, HLW-stamp.....     | MT2V 400  |
| L0063413                                                              | Manifold, gas, 3-port, 2-stage, left bank.....  | 300       | R2F4405                                     | Complete heat exch, cu-nickel, H-stamp.....    | 200       |
| L0063414                                                              | Manifold, gas, 2-stage left bank.....           | 400       | R3F4405                                     | Complete heat exch, cu-nickel, H-stamp.....    | 300       |
| L0063414                                                              | Manifold, gas, on-off.....                      | 200       | R4F4405                                     | Complete heat exch, cu-nickel, H-stamp.....    | 400       |
| L0063416                                                              | Manifold, gas, 6-port, on/off.....              | 300       | R2F4405W                                    | Complete heat exch, cu-nickel, HLW-stamp.....  | MT2V 200  |
| L0063418                                                              | Manifold, gas, 8-port, on/off.....              | 400       | R3F4405W                                    | Complete heat exch, cu-nickel, HLW-stamp.....  | MT2V 300  |
| L0063702                                                              | Weldment, gas manifold, main.....               | 200       | R4F4405W                                    | Complete heat exch, cu-nickel, HLW-stamp.....  | MT2V 400  |
| L0063703                                                              | Weldment, gas manifold, main.....               | 300       | 2C4103                                      | Casting, return header.....                    | all       |
| L0063704                                                              | Weldment, gas manifold, main.....               | 400       | 2F4122                                      | Casting, inlet/outlet.....                     | all       |
| R2073200                                                              | Media, filter.....                              | all       | R0050801                                    | Heat exchanger gasket set, 20-piece kit.....   | all       |
| F2022300                                                              | Clip, retaining, filter media.....              | all       | S0070800                                    | HX gasket (qty 1-use R0050801 for qty 20)..... | all       |
| S2104600                                                              | Gasket, flue housing.....                       | all       | 2C4001                                      | Chamber, header, hx.....                       | all       |
| RD0091205                                                             | Hose, duct, flexible, 4" dia.....               | 200       | 2C4002                                      | Baffle, end.....                               | all       |
| RD0091206                                                             | Hose, duct, flexible, 4" dia.....               | 300       | A0063300                                    | PRV, 75 psi.....                               | MT2H      |
| RD0091207                                                             | Hose, duct, flexible, 4" dia.....               | 400       | RA0001200                                   | PRV, 125 psi.....                              | MT2V      |
| 2C2017                                                                | Plate, spacer, burner/manifold.....             | 200       | RA0079000                                   | T & P gauge.....                               | all       |
| 3C2017                                                                | Plate, spacer, burner/manifold.....             | 300       | RE0013000                                   | Flow switch, outdoor.....                      | all       |
| 4C2017                                                                | Plate, spacer, burner/manifold.....             | 400       | RE2076500                                   | Low water cutoff (opt.).....                   | all       |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>                                |                                                 |           | E0234201                                    | Immersion well, high limit.....                | all       |
| **Character 13 of the Mighty Therm 2 model number shows the revision. |                                                 |           | RE2058300                                   | Immersion well, 3/8" bulb.....                 | all       |
| RE2344300                                                             | Controller, rev 2**.....                        | MT2H 200  | A0095705                                    | Pump, normal water, Taco.....                  | MT2V      |
| RE2344301                                                             | Controller, rev 2**.....                        | H 300-400 | RA2112201                                   | Pump w/ flanges, normal water, Taco.....       | MT2V      |
| RE2344301                                                             | Controller, rev 2**.....                        | MT2V      | A0095605                                    | Pump, soft water, Taco.....                    | MT2V      |
| E2348700                                                              | Controller harness, rev 2**.....                | all       | RA2112213                                   | Pump w/ flanges, soft water, Taco.....         | MT2V      |
| RE0014400                                                             | Controller, on-off, rev 1**.....                | all       | A2120300                                    | Pump, normal water, Grundfos.....              | MT2V      |
| RE0093200                                                             | Controller, 2-stage, rev 1**.....               | all       | RA2112235                                   | Pump w/ flanges, normal water, Grundfos.....   | MT2V      |
| E2304800                                                              | High limit.....                                 | MT2H      | A0076701                                    | Pump, Taco.....                                | MT2H 200  |
| E2324200                                                              | High limit.....                                 | MT2V      | RA2112209                                   | Pump w/ flanges, Taco.....                     | MT2H 200  |
| 2C7004                                                                | Bracket, mounting, hi-limit & pressure sw.....  | all       | A0076805                                    | Pump, Taco.....                                | H 300-400 |
| E2103200                                                              | Temp switch, manual reset, 250°F.....           | 200       | RA2112217                                   | Pump w/ flanges, Taco.....                     | H 300-400 |
| E0253400                                                              | Ignition control.....                           | all       | A2120300                                    | Pump, Grundfos.....                            | MT2H      |
| E0180500                                                              | Transformer.....                                | all       | RA2112236                                   | Pump w/ flanges, Grundfos.....                 | MT2H      |
| RE2322700                                                             | Rocker switch.....                              | all       | S0077700                                    | Pump flange set, cast iron.....                | all       |
| R2015000                                                              | Toggle switch.....                              | all       | A2112300                                    | Pump flange set, non-ferrous.....              | all       |
| R2007700                                                              | Toggle switch.....                              | all       | S0076500                                    | Gasket, flange.....                            | all       |
| E2327800                                                              | Relay, DPDT.....                                | all       |                                             |                                                |           |
| RE2077700                                                             | Relay, time delay, pump, rev 1**.....           | all       |                                             |                                                |           |
| RE0240900                                                             | Switch, pressure, SPDT.....                     | all       |                                             |                                                |           |
| R2076600                                                              | Switch, pressure.....                           | all       |                                             |                                                |           |
| E2327500                                                              | Terminal block, 16-position, rev 1**.....       | all       |                                             |                                                |           |
| E2327700                                                              | Terminal block, 6-position, rev 2**.....        | all       |                                             |                                                |           |

## Mighty Therm 2 (200-400) (Cont.)

| Part No.                             | Description                              | Size | Part No.                        | Description                                  | Size    |
|--------------------------------------|------------------------------------------|------|---------------------------------|----------------------------------------------|---------|
| <b>COMBUSTION CHAMBER COMPONENTS</b> |                                          |      | <b>JACKET / BASE COMPONENTS</b> |                                              |         |
| R10956000                            | Assembly, sight glass.....               | all  | 2C1000                          | Base assembly.....                           | 200     |
| T2108802                             | Chamber.....                             | 200  | 3C1000                          | Base assembly.....                           | 300     |
| T2108803                             | Chamber.....                             | 300  | 4C1000                          | Base assembly.....                           | 400     |
| T2108804                             | Chamber.....                             | 400  | 2F3000                          | Jacket assembly, non-pump-mounted units..... | 200     |
| T2015808                             | Insulation, combustion chamber, kit..... | 200  | 2F3020                          | Jacket assembly, pump-mounted units.....     | 200     |
| T2015809                             | Insulation, combustion chamber, kit..... | 300  | 3F3000                          | Jacket assembly, non-pump-mounted units..... | 300     |
| T2015810                             | Insulation, combustion chamber, kit..... | 400  | 3F3020                          | Jacket assembly, pump-mounted units.....     | 300     |
| 2C2001                               | Panel, top, combustion chamber.....      | 200  | 4F3000                          | Jacket assembly, non-pump-mounted units..... | 400     |
| 3C2001                               | Panel, top, combustion chamber.....      | 300  | 4F3020                          | Jacket assembly, pump-mounted units.....     | 400     |
| 4C2001                               | Panel rear, combustion chamber.....      | 400  | 2C3800                          | Assembly, filter housing.....                | all     |
| 2C2023                               | Assembly, front panel, comb chamber..... | 200  | 2C3010                          | Panel, filter access, jacket.....            | all     |
| 3C2023                               | Assembly, front panel, comb chamber..... | 300  | 2C3623                          | Panel, filter side, upper, jacket.....       | all     |
| 4C2023                               | Assembly, front panel, comb chamber..... | 400  | 2C2018                          | Cover, gas inlet, air box.....               | all     |
| 2C2601                               | Chamber, left side, bottom.....          | all  | 2C3620                          | Panel, hx side access, jacket.....           | all     |
| 2C2201                               | Chamber, right side, bottom.....         | all  | 2C2015                          | Panel, left side, air box.....               | all     |
| 2C2002                               | Chamber, side, top.....                  | all  | 2C3420                          | Panel, left side, jacket.....                | all     |
| 2C2006                               | Panel rear, combustion chamber.....      | 200  | 2C3622                          | Panel, lower access, jacket.....             | all     |
| 3C2006                               | Panel rear, combustion chamber.....      | 300  | 2C3520                          | Panel, right side, jacket.....               | all     |
| 4C2006                               | Panel rear, combustion chamber.....      | 400  | 2C3621                          | Panel, right side, upper, jacket.....        | all     |
| 2C2009                               | Panel, front, air box.....               | 200  | 10338600                        | Plate, cover, sight glass.....               | all     |
| 3C2009                               | Panel, front, air box.....               | 300  | 2C2500                          | Weldment, duct, blower.....                  | all     |
| 4C2009                               | Panel, front, air box.....               | 400  | 2C2300                          | Weldment, flue.....                          | all     |
| 2C2016                               | Panel, right side, air box.....          | all  | R2C3320                         | Panel, front, jacket.....                    | 200     |
| 2C2019                               | Support, tile notch.....                 | 200  | R3C3320                         | Panel, front, jacket.....                    | 300     |
| 3C2019                               | Support, tile notch.....                 | 300  | R4C3320                         | Panel, front, jacket.....                    | 400     |
| 4C2019                               | Support, tile notch.....                 | 400  | 2F3019                          | Panel, jacket, control access.....           | 200     |
| 2C2008                               | Panel, top, air box.....                 | 200  | 3F3019                          | Panel, jacket, control access.....           | 300     |
| 3C2008                               | Panel, top, air box.....                 | 300  | 4F3019                          | Panel, jacket, control access.....           | 400     |
| 4C2008                               | Panel, top, air box.....                 | 400  | 2C3220                          | Panel, rear, jacket.....                     | 200     |
|                                      |                                          |      | 3C3220                          | Panel, rear, jacket.....                     | 300     |
|                                      |                                          |      | 4C3220                          | Panel, rear, jacket.....                     | 400     |
|                                      |                                          |      | 2C3021                          | Panel, top, jacket.....                      | 200     |
|                                      |                                          |      | 3C3021                          | Panel, top, jacket.....                      | 300     |
|                                      |                                          |      | 4C3021                          | Panel, top, jacket.....                      | 400     |
|                                      |                                          |      | 2C3015                          | Side panel, pump cover, jacket.....          | 200     |
|                                      |                                          |      | 2C3014                          | Side panel, pump cover, jacket.....          | 300-400 |
|                                      |                                          |      | 2C3016                          | Cover, pump.....                             | all     |
|                                      |                                          |      | 2C3700                          | Weldment, cover, air inlet.....              | 200-300 |
|                                      |                                          |      | 4C3700                          | Weldment, cover, air inlet.....              | 400     |
|                                      |                                          |      | 3C3702                          | Panel, cover, exhaust.....                   | 300     |
|                                      |                                          |      | 2C2100                          | Assembly, exhaust vent, vertical.....        | 200     |
|                                      |                                          |      | 3C2100                          | Assembly, exhaust vent, vertical.....        | 300     |
|                                      |                                          |      | 4C2100                          | Assembly, exhaust vent, vertical.....        | 400     |

# Pennant

Sizes 200,000 - 400,000 BTU/h

| Part No.                               | Description                                     | Size | Part No.                                    | Description                                    | Size      |
|----------------------------------------|-------------------------------------------------|------|---------------------------------------------|------------------------------------------------|-----------|
| <b>GAS / AIR COMPONENTS</b>            |                                                 |      | E2039500                                    | Terminal block, 2 position.....                | all       |
| V0079400                               | Gas valve, natural.....                         | all  | E2324000                                    | Wiring harness.....                            | all       |
| V0079500                               | Gas valve, propane.....                         | all  | F0034000                                    | Screw, 8-32 x 1-1/4".....                      | all       |
| RE0254000                              | Blower.....                                     | all  | F0035900                                    | Screw, 6-32 x 5/8".....                        | all       |
| S2104400                               | Gasket, blower.....                             | all  | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                                |           |
| S2104500                               | Gasket, blower duct.....                        | all  | R2C4100                                     | Tube assembly, copper, with gaskets.....       | 200       |
| 2C5000                                 | Assembly, air shutter, blower.....              | all  | R2C4120                                     | Tube assembly, cupro-nickel with gaskets.....  | 200       |
| L0063300                               | Burner.....                                     | all  | R3C4100                                     | Tube assembly, copper, with gaskets.....       | 300       |
| S2104300                               | Gasket, burner.....                             | all  | R3C4120                                     | Tube assembly, cupro-nickel with gaskets.....  | 300       |
| RW2002300                              | Igniter and gasket.....                         | all  | R4C4100                                     | Tube assembly, copper, with gaskets.....       | 400       |
| 10-332                                 | Gasket, ignitor.....                            | all  | R4C4120                                     | Tube assembly, cupro-nickel with gaskets.....  | 400       |
| L0062900                               | Orifice, natural.....                           | all  | R2C4000                                     | Complete heat exchanger, copper.....           | 200       |
| L0063000                               | Orifice, propane.....                           | all  | R3C4000                                     | Complete heat exchanger, copper.....           | 300       |
| F2022400                               | Spacer, gas orifice.....                        | all  | R4C4000                                     | Complete heat exchanger, copper.....           | 400       |
| L0063402                               | Manifold, gas, 2-port, 2-stage, right bank..... | 200  | R2C4300                                     | Complete heat exchanger, cu-nickel.....        | 200       |
| L0063403                               | Manifold, gas, 3-port, 2-stage, right bank..... | 300  | R3C4300                                     | Complete heat exchanger, cu-nickel.....        | 300       |
| L0063404                               | Manifold, gas, 2-port, 2-stage, left bank.....  | 200  | R4C4300                                     | Complete heat exchanger, cu-nickel.....        | 400       |
| L0063405                               | Manifold, gas, 4-port, 2-stage, right bank..... | 400  | 2C4103                                      | Casting, return header.....                    | all       |
| L0063413                               | Manifold, gas, 3-port, 2-stage, left bank.....  | 300  | 2C4122                                      | Casting, inlet/outlet.....                     | all       |
| L0063414                               | Manifold, gas, 4-port, left bank.....           | 200  | R0050801                                    | Heat exchanger gasket set, 20-piece kit.....   | all       |
| L0063414                               | Manifold, gas, on-off.....                      | 200  | S0070800                                    | HX gasket (qty 1-use R0050801 for qty 20)..... | all       |
| L0063416                               | Manifold, gas, 6-port, on/off.....              | 300  | 2C4001                                      | Chamber, header, hx.....                       | all       |
| L0063418                               | Manifold, gas, 8-port, on/off.....              | 400  | 2C4002                                      | Baffle, end.....                               | all       |
| L0063702                               | Weldment, gas manifold, main.....               | 200  | A0063300                                    | PRV, 75 psi.....                               | PNCH      |
| L0063703                               | Weldment, gas manifold, main.....               | 300  | RA0001200                                   | PRV, 125 psi.....                              | PNCV      |
| L0063704                               | Weldment, gas manifold, main.....               | 400  | RA0079000                                   | T & P gauge.....                               | all       |
| R2073200                               | Media, filter.....                              | all  | RE0013000                                   | Flow switch, outdoor.....                      | all       |
| F2022300                               | Clip, retaining, filter media.....              | all  | E0234201                                    | Immersion, well, high limit.....               | all       |
| S2104600                               | Gasket, flue housing.....                       | all  | E0253900                                    | Thermistor probe.....                          | all       |
| RD0091205                              | Hose, duct, flexible, 4" dia.....               | 200  | A0095605                                    | Pump, normal water.....                        | PNCV      |
| RD0091206                              | Hose, duct, flexible, 4" dia.....               | 300  | RA2112201                                   | Pump w/ flanges, normal water.....             | PNCV      |
| RD0091207                              | Hose, duct, flexible, 4" dia.....               | 400  | A0095605                                    | Pump, soft water.....                          | PNCV      |
| 2C2017                                 | Plate, spacer, burner/manifold.....             | 200  | RA2112213                                   | Pump w/ flanges, soft water.....               | PNCV      |
| 3C2017                                 | Plate, spacer, burner/manifold.....             | 300  | A0076701                                    | Pump.....                                      | PNCH0200  |
| 4C2017                                 | Plate, spacer, burner/manifold.....             | 400  | RA2112209                                   | Pump with flanges.....                         | PNCH0200  |
| P0014100                               | Nipple, 3/4" x close.....                       | all  | A0076805                                    | Pump.....                                      | H 300/400 |
| P0030400                               | Union, 3/4".....                                | all  | RA2112217                                   | Pump with flanges.....                         | H 300/400 |
| P2049000                               | Cap, pipe, iron.....                            | all  | S0076400                                    | Flange, iron.....                              | PNCH      |
| F2015500                               | Screw, #12-14.....                              | all  | S0077700                                    | Pump flange set, cast iron.....                | all       |
| 2C2018                                 | Cover, gas inlet, air box.....                  | all  | S0076401                                    | Flange, bronze.....                            | PNCV      |
| <b>ELECTRICAL / CONTROL COMPONENTS</b> |                                                 |      | A2112300                                    | Pump flange set, non-ferrous.....              | all       |
| 2C7002                                 | Panel, control.....                             | 200  | S0076500                                    | Gasket, flange.....                            | all       |
| 3C7002                                 | Panel, control.....                             | 300  | F0002100                                    | Nut, hex, 1/4-20.....                          | all       |
| 4C7002                                 | Panel, control.....                             | 400  | F0029300                                    | Screw, #2 x 3/16".....                         | all       |
| E0253100                               | Temperature control.....                        | PNCV | F0040800                                    | Nut, hex, 3/8".....                            | all       |
| E2304800                               | Manual reset high limit.....                    | PNCH | F0046100                                    | Bolt, dome, 3/8-16x2-1/2".....                 | all       |
| E2324200                               | Manual reset high limit.....                    | PNCV | F0051400                                    | Screw, hex, 3/8-16 x 1.75".....                | all       |
| 2C7004                                 | Bracket, high limit.....                        | all  | F2011600                                    | Screw, pan, 1/4-20 x .75".....                 | all       |
| E0253400                               | Ignition control.....                           | all  | F2025000                                    | Washer, 3/8".....                              | all       |
| E0180500                               | Transformer, 115/23, 50VA.....                  | all  | P0019100                                    | Nipple, iron, 1-1/2" x close.....              | all       |
| 2C7005                                 | Cover, transformer.....                         | all  | P0026800                                    | Plug, 1/4" brass.....                          | all       |
| R2007700                               | Toggle switch, 3-position.....                  | all  | P0026900                                    | Plug, 1/2" brass.....                          | all       |
| R2006100                               | Relay module.....                               | all  | P0054900                                    | Nipple, brass, 3/4" x close.....               | all       |
| RE2077700                              | Relay, pump time delay.....                     | all  | P2019500                                    | Tee, iron, 1/2" x 1/2" x 1".....               | all       |
| 2C7003                                 | Panel, LED.....                                 | all  | P2022100                                    | Nipple, brass, 1/2" x close.....               | all       |
| E2105600                               | Panel, indicator light board.....               | all  | P2023801                                    | Tee, bronze, 1/2" x 1/2" x 1".....             | all       |
| E0101800                               | Terminal block, 12 position.....                | all  |                                             |                                                |           |

# Pennant (200-400) (Cont.)

| Part No.                             | Description                              | Size | Part No.                        | Description                            | Size    |
|--------------------------------------|------------------------------------------|------|---------------------------------|----------------------------------------|---------|
| <b>COMBUSTION CHAMBER COMPONENTS</b> |                                          |      | <b>JACKET / BASE COMPONENTS</b> |                                        |         |
| R10956000                            | Assembly, sight glass.....               | all  | 2C1000                          | Base assembly.....                     | 200     |
| T2108802                             | Chamber.....                             | 200  | 3C1000                          | Base assembly.....                     | 300     |
| T2108803                             | Chamber.....                             | 300  | 4C1000                          | Base assembly.....                     | 400     |
| T2108804                             | Chamber.....                             | 400  | 2C3800                          | Filter housing.....                    | all     |
| T2015808                             | Insulation, combustion chamber, kit..... | 200  | 2C3010                          | Panel, filter access, jacket.....      | all     |
| T2015809                             | Insulation, combustion chamber, kit..... | 300  | 2C3623                          | Panel, filter side, upper, jacket..... | all     |
| T2015810                             | Insulation, combustion chamber, kit..... | 400  | 2C2018                          | Cover, gas inlet, air box.....         | all     |
| 2C2001                               | Panel, top, combustion chamber.....      | 200  | 2C3620                          | Panel, hx side access, jacket.....     | all     |
| 3C2001                               | Panel, top, combustion chamber.....      | 300  | 2C2015                          | Panel, left side, air box.....         | all     |
| 4C2001                               | Panel rear, combustion chamber.....      | 400  | 2C3420                          | Panel, left side, jacket.....          | all     |
| 2C2023                               | Assembly, front panel, comb chamber..... | 200  | 2C3622                          | Panel, lower access, jacket.....       | all     |
| 3C2023                               | Assembly, front panel, comb chamber..... | 300  | 2C3520                          | Panel, right side, jacket.....         | all     |
| 4C2023                               | Assembly, front panel, comb chamber..... | 400  | 2C3621                          | Panel, right side, upper, jacket.....  | all     |
| 2C2601                               | Chamber, left side, bottom.....          | all  | 10338600                        | Plate, cover, sight glass.....         | all     |
| 2C2201                               | Chamber, right side, bottom.....         | all  | 2C2500                          | Weldment, duct, blower.....            | all     |
| 2C2002                               | Chamber, side, top.....                  | all  | 2C2300                          | Weldment, flue.....                    | all     |
| 2C2006                               | Panel rear, combustion chamber.....      | 200  | R2C3320                         | Panel, front, jacket.....              | 200     |
| 3C2006                               | Panel rear, combustion chamber.....      | 300  | R3C3320                         | Panel, front, jacket.....              | 300     |
| 4C2006                               | Panel rear, combustion chamber.....      | 400  | R4C3320                         | Panel, front, jacket.....              | 400     |
| 2C2009                               | Panel, front, air box.....               | 200  | 2C3220                          | Panel, rear, jacket.....               | 200     |
| 3C2009                               | Panel, front, air box.....               | 300  | 3C3220                          | Panel, rear, jacket.....               | 300     |
| 4C2009                               | Panel, front, air box.....               | 400  | 4C3220                          | Panel, rear, jacket.....               | 400     |
| 2C2016                               | Panel, right side, air box.....          | all  | 2C3021                          | Panel, top, jacket.....                | 200     |
| 2C2019                               | Support, tile notch.....                 | 200  | 3C3021                          | Panel, top, jacket.....                | 300     |
| 3C2019                               | Support, tile notch.....                 | 300  | 4C3021                          | Panel, top, jacket.....                | 400     |
| 4C2019                               | Support, tile notch.....                 | 400  | 2C3015                          | Side panel, pump cover, jacket.....    | 200     |
| 2C2008                               | Panel, top, air box.....                 | 200  | 2C3014                          | Side panel, pump cover, jacket.....    | 300-400 |
| 3C2008                               | Panel, top, air box.....                 | 300  | 2C3016                          | Cover, pump.....                       | all     |
| 4C2008                               | Panel, top, air box.....                 | 400  | 2C3700                          | Weldment, cover, air inlet.....        | 200-300 |
|                                      |                                          |      | 4C3700                          | Weldment, cover, air inlet.....        | 400     |
|                                      |                                          |      | 3C3702                          | Panel, cover, exhaust.....             | 300     |
|                                      |                                          |      | 2C2100                          | Assembly, exhaust vent, vertical.....  | 200     |
|                                      |                                          |      | 3C2100                          | Assembly, exhaust vent, vertical.....  | 300     |
|                                      |                                          |      | 4C2100                          | Assembly, exhaust vent, vertical.....  | 400     |

# Mini-Therm JX

## Sizes 50,000 - 200,000 BTU/h

| Part No.                                    | Description                               | Size    | Part No.                             | Description                                      | Size |
|---------------------------------------------|-------------------------------------------|---------|--------------------------------------|--------------------------------------------------|------|
| <b>GAS / AIR COMPONENTS</b>                 |                                           |         | <b>COMBUSTION CHAMBER COMPONENTS</b> |                                                  |      |
| V2029300                                    | Gas valve, natural.....                   | all     | 5X3030                               | Draft diverter assembly.....                     | 50   |
| A2088600                                    | Gas valve regulator spring, LP.....       | all     | 7X3030                               | Draft diverter assembly.....                     | 75   |
| L0032200                                    | Gas orifice, Nat, 0-2000 ft.....          | all     | 10X3030                              | Draft diverter assembly.....                     | 100  |
| L0050700                                    | Gas orifice, Nat, 2001-5000 ft.....       | all     | 12X3030                              | Draft diverter assembly.....                     | 125  |
| L0032600                                    | Gas orifice, Nat, 5001-8000 ft.....       | all     | 15X3030                              | Draft diverter assembly.....                     | 150  |
| L0050300                                    | Gas orifice, Nat, 8001-10,000 ft.....     | all     | 20X3030                              | Draft diverter assembly.....                     | 200  |
| L0039000                                    | Gas orifice, Propane, 0-2000 ft.....      | all     | 5X3007                               | Flue collector.....                              | 50   |
| L0032900                                    | Gas orifice, Propane, 0-5000 ft.....      | all     | 7X3007                               | Flue collector.....                              | 75   |
| L0032800                                    | Gas orifice, Propane, 5001-8000 ft.....   | all     | 10X3007                              | Flue collector.....                              | 100  |
| L0032700                                    | Gas orifice, Propane, 8001-10,000 ft..... | all     | 12X3007                              | Flue collector.....                              | 125  |
| L0052500                                    | Burner, main.....                         | all     | 15X3007                              | Flue collector.....                              | 150  |
| L0056500                                    | Burner with pilot bracket assembly.....   | all     | 20X3007                              | Flue collector.....                              | 200  |
| 5X6001                                      | Gas manifold.....                         | 50      | 5X5004                               | Burner bank cover assembly.....                  | 50   |
| 7X6001                                      | Gas manifold.....                         | 75      | 7X5004                               | Burner bank cover assembly.....                  | 75   |
| 10X6001                                     | Gas manifold.....                         | 100     | 10X5004                              | Burner bank cover assembly.....                  | 100  |
| 12X6001                                     | Gas manifold.....                         | 125     | 12X5004                              | Burner bank cover assembly.....                  | 125  |
| 15X6001                                     | Gas manifold.....                         | 150     | 15X5004                              | Burner bank cover assembly.....                  | 150  |
| 20X6001                                     | Gas manifold.....                         | 200     | 20X5004                              | Burner bank cover assembly.....                  | 200  |
| R0061600                                    | Pilot assembly, natural.....              | all     | 5X2020                               | Front and rear baffle and tile cover (2).....    | 50   |
| W2001700                                    | Pilot assembly, LP.....                   | all     | 7X2020                               | Front and rear baffle and tile cover (2).....    | 75   |
| L0055900                                    | Air shutter, burner.....                  | all     | 10X2020                              | Front and rear baffle and tile cover (2).....    | 100  |
| 5X5002                                      | Pilot tube.....                           | all     | 12X2020                              | Front and rear baffle and tile cover (2).....    | 125  |
|                                             |                                           |         | 15X2020                              | Front and rear baffle and tile cover (2).....    | 150  |
|                                             |                                           |         | 20X2020                              | Front and rear baffle and tile cover (2).....    | 200  |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>      |                                           |         | 5X2012                               | Baffle, heat exchanger (7).....                  | 50   |
| E2401400                                    | Controller.....                           | all     | 7X2012                               | Baffle, heat exchanger (7).....                  | 75   |
| E2407000                                    | High tension lead.....                    | all     | 10X2012                              | Baffle, heat exchanger (7).....                  | 100  |
| E2407200                                    | Limit sensor.....                         | all     | 12X2012                              | Baffle, heat exchanger (7).....                  | 125  |
| R0021300                                    | Transformer, 40VA, 115/24V.....           | all     | 15X2012                              | Baffle, heat exchanger (7).....                  | 150  |
| R2061100                                    | Blocked vent safety switch.....           | all     | 20X2012                              | Baffle, heat exchanger (7).....                  | 200  |
| RE2071501                                   | Vent damper, 4".....                      | 50      | R5X2013                              | Tile set (incl front & rear tiles, & clamp)..... | 50   |
| RE2071502                                   | Vent damper, 5".....                      | 75-100  | R7X2013                              | Tile set (incl front & rear tiles, & clamp)..... | 75   |
| RE2071503                                   | Vent damper, 6".....                      | 125-150 | R10X2013                             | Tile set (incl front & rear tiles, & clamp)..... | 100  |
| RE2071504                                   | Vent damper, 7".....                      | 200     | R12X2013                             | Tile set (incl front & rear tiles, & clamp)..... | 125  |
| E2335100                                    | Circuit breaker, 2 AMP, panel mount.....  | all     | R15X2013                             | Tile set (incl front & rear tiles, & clamp)..... | 150  |
| E2402100                                    | Terminal block finger guard.....          | all     | R20X2013                             | Tile set (incl front & rear tiles, & clamp)..... | 200  |
| E2403400                                    | Low voltage harness (TB1 and damper)..... | all     |                                      |                                                  |      |
| E2402600                                    | High voltage harness.....                 | all     | <b>JACKET / BASE COMPONENTS</b>      |                                                  |      |
| E2402700                                    | X1 connector harness (safety chain).....  | all     | 5X1000                               | Base assembly.....                               | 50   |
| E2402800                                    | LLH pump harness.....                     | 125-200 | 7X1000                               | Base assembly.....                               | 75   |
| 20071500                                    | Pump kit harness.....                     | 50-100  | 10X1000                              | Base assembly.....                               | 100  |
|                                             |                                           |         | 12X1000                              | Base assembly.....                               | 125  |
| <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b> |                                           |         | 15X1000                              | Base assembly.....                               | 150  |
| 5X2000                                      | Heat exchanger.....                       | 50      | 20X1000                              | Base assembly.....                               | 200  |
| 7X2000                                      | Heat exchanger.....                       | 75      | 5X3038                               | Panel, front.....                                | 50   |
| 10X2000                                     | Heat exchanger.....                       | 100     | 7X3038                               | Panel, front.....                                | 75   |
| 12X2000                                     | Heat exchanger.....                       | 125     | 10X3038                              | Panel, front.....                                | 100  |
| 15X2000                                     | Heat exchanger.....                       | 150     | 12X3038                              | Panel, front.....                                | 125  |
| 20X2000                                     | Heat exchanger.....                       | 200     | 15X3038                              | Panel, front.....                                | 150  |
| A2136500                                    | Circulator.....                           | all     | 20X3038                              | Panel, front.....                                | 200  |
| A2117600                                    | Gauge, temp/pressure & pressure.....      | all     | 5X3037                               | Panel, rear.....                                 | 50   |
| 1-054                                       | Pressure relief valve, 30psi.....         | all     | 7X3037                               | Panel, rear.....                                 | 75   |
| E2402900                                    | Well, immersion, 1/2 NPT.....             | all     | 10X3037                              | Panel, rear.....                                 | 100  |
| 227-48070-01                                | Drain.....                                | all     | 12X3037                              | Panel, rear.....                                 | 125  |
| P2142900                                    | Adapter 1/4" NPT x BSPP.....              | all     | 15X3037                              | Panel, rear.....                                 | 150  |
| P2143000                                    | Spacer/washer for gauge adapter.....      | all     | 20X3037                              | Panel, rear.....                                 | 200  |
| 5X207202                                    | Diverter assembly.....                    | 50-100  | R5X3032                              | Panel, top, front.....                           | 50   |
| 5X207201                                    | Diverter assembly.....                    | 125-200 | R7X3032                              | Panel, top, front.....                           | 75   |
| S2138700                                    | O-ring, pump.....                         | all     | R10X3032                             | Panel, top, front.....                           | 100  |
| S2137800                                    | Seal, flange.....                         | all     |                                      |                                                  |      |

# Mini-Therm JX (Cont.)

| Part No.                    | Description                         | Size    | Part No.               | Description                        | Size |
|-----------------------------|-------------------------------------|---------|------------------------|------------------------------------|------|
| R12X3032                    | Panel, top, front.....              | 125     | <b>CONVERSION KITS</b> |                                    |      |
| R15X3032                    | Panel, top, front.....              | 150     | CA019901               | Natural to LP 0-2000 feet.....     | 50   |
| R20X3032                    | Panel, top, front.....              | 200     | CA019902               | Natural to LP 2001-5000 feet.....  | 50   |
| 5X3031                      | Panel, top, rear.....               | 50      | CA019903               | Natural to LP 5001-8000 feet.....  | 50   |
| 7X3031                      | Panel, top, rear.....               | 75      | CA019904               | Natural to LP 8001-10000 feet..... | 50   |
| 10X3031                     | Panel, top, rear.....               | 100     | CA019905               | Natural to LP 0-2000 feet.....     | 75   |
| 12X3031                     | Panel, top, rear.....               | 125     | CA019906               | Natural to LP 2001-5000 feet.....  | 75   |
| 15X3031                     | Panel, top, rear.....               | 150     | CA019907               | Natural to LP 5001-8000 feet.....  | 75   |
| R5X3043                     | Panel, left side.....               | all     | CA019908               | Natural to LP 8001-10000 feet..... | 75   |
| R5X3044                     | Panel, right side.....              | all     | CA019909               | Natural to LP 0-2000 feet.....     | 100  |
| R2086800                    | Latch, Slot, Quarter Turn Assy..... | all     | CA019910               | Natural to LP 2001-5000 feet.....  | 100  |
| <b>POWER VENTERS</b>        |                                     |         | CA019911               | Natural to LP 5001-8000 feet.....  | 100  |
| CA019501                    | Power venter kit.....               | 50-100  | CA019912               | Natural to LP 8001-10000 feet..... | 100  |
| CA019502                    | Power venter kit.....               | 125-200 | CA019913               | Natural to LP 0-2000 feet.....     | 125  |
| <b>OPTIONAL ACCESSORIES</b> |                                     |         | CA019914               | Natural to LP 2001-5000 feet.....  | 125  |
| CA005400                    | Outdoor air sensor kit.....         | all     | CA019915               | Natural to LP 5001-8000 feet.....  | 125  |
| CA019400                    | DHW pump control kit.....           | all     | CA019916               | Natural to LP 8001-10000 feet..... | 125  |
| E2327800                    | DHW relay.....                      | all     | CA019917               | Natural to LP 0-2000 feet.....     | 150  |
| CA019600                    | Low loss header assembly.....       | 50-100  | CA019918               | Natural to LP 2001-5000 feet.....  | 150  |
|                             |                                     |         | CA019919               | Natural to LP 5001-8000 feet.....  | 150  |
|                             |                                     |         | CA019920               | Natural to LP 8001-10000 feet..... | 150  |
|                             |                                     |         | CA019921               | Natural to LP 0-2000 feet.....     | 200  |
|                             |                                     |         | CA019922               | Natural to LP 2001-5000 feet.....  | 200  |
|                             |                                     |         | CA019923               | Natural to LP 5001-8000 feet.....  | 200  |
|                             |                                     |         | CA019924               | Natural to LP 8001-10000 feet..... | 200  |
|                             |                                     |         | CA020001               | LP to natural 0-2000 feet.....     | 50   |
|                             |                                     |         | CA020002               | LP to natural 2001-5000 feet.....  | 50   |
|                             |                                     |         | CA020003               | LP to natural 5001-8000 feet.....  | 50   |
|                             |                                     |         | CA020004               | LP to natural 8001-10000 feet..... | 50   |
|                             |                                     |         | CA020005               | LP to natural 0-2000 feet.....     | 75   |
|                             |                                     |         | CA020006               | LP to natural 2001-5000 feet.....  | 75   |
|                             |                                     |         | CA020007               | LP to natural 5001-8000 feet.....  | 75   |
|                             |                                     |         | CA020008               | LP to natural 8001-10000 feet..... | 75   |
|                             |                                     |         | CA020009               | LP to natural 0-2000 feet.....     | 100  |
|                             |                                     |         | CA020010               | LP to natural 2001-5000 feet.....  | 100  |
|                             |                                     |         | CA020011               | LP to natural 5001-8000 feet.....  | 100  |
|                             |                                     |         | CA020012               | LP to natural 8001-10000 feet..... | 100  |
|                             |                                     |         | CA020013               | LP to natural 0-2000 feet.....     | 125  |
|                             |                                     |         | CA020014               | LP to natural 2001-5000 feet.....  | 125  |
|                             |                                     |         | CA020015               | LP to natural 5001-8000 feet.....  | 125  |
|                             |                                     |         | CA020016               | LP to natural 8001-10000 feet..... | 125  |
|                             |                                     |         | CA020017               | LP to natural 0-2000 feet.....     | 150  |
|                             |                                     |         | CA020018               | LP to natural 2001-5000 feet.....  | 150  |
|                             |                                     |         | CA020019               | LP to natural 5001-8000 feet.....  | 150  |
|                             |                                     |         | CA020020               | LP to natural 8001-10000 feet..... | 150  |
|                             |                                     |         | CA020021               | LP to natural 0-2000 feet.....     | 200  |
|                             |                                     |         | CA020022               | LP to natural 2001-5000 feet.....  | 200  |
|                             |                                     |         | CA020023               | LP to natural 5001-8000 feet.....  | 200  |
|                             |                                     |         | CA020024               | LP to natural 8001-10000 feet..... | 200  |

# Mini-Therm Models JVS & JVT

Sizes 50,000 - 225,000 BTU/h

| Part No.                                                                                                                                                                                                  | Description                                     | Size    | Part No.                                                                                                                                                                                                                                                 | Description                                     | Size    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------|
| - MiniTherm I were built before 1990 ("mushroom top" venting).<br>- MiniTherm II were built 1991 and later.<br>- Units built September 2012 and after are "rev 2" boilers, and have DOE updated controls. |                                                 |         | - Rev 2 boilers have model numbers with 12 characters ending in "U2."<br>- Rev 1 boilers have model numbers with 10 characters.<br>- Two-stage JVS models (revs 1 and 2) have "NK" or "PK" in the model number, and were built from 4-1-2004 to 1-24-14. |                                                 |         |
| <b>GAS / AIR COMPONENTS</b>                                                                                                                                                                               |                                                 |         | <b>ELECTRICAL / CONTROL COMPONENTS</b>                                                                                                                                                                                                                   |                                                 |         |
| R0059100                                                                                                                                                                                                  | Gas valve, JVT, natural.....                    | all     | R0061300                                                                                                                                                                                                                                                 | Control, temperature / limit.....               | all     |
| R0385000                                                                                                                                                                                                  | Gas valve, JVT, propane.....                    | all     | RE0093200                                                                                                                                                                                                                                                | Control, JVS 2-stage, rev 1**.....              | 100-225 |
| R0385100                                                                                                                                                                                                  | Gas valve, JVS, natural.....                    | 50-75   | RE2344300                                                                                                                                                                                                                                                | Control, temperature, JVS, rev 2**.....         | all     |
| R0407700                                                                                                                                                                                                  | Gas valve, JVS, natural.....                    | 100-225 | RE2347600                                                                                                                                                                                                                                                | Sensor, water temp, rev 2**.....                | all     |
| V0077500                                                                                                                                                                                                  | Gas valve, JVS, propane.....                    | 50-75   | RE2347601                                                                                                                                                                                                                                                | Sensor, water temp, with well, rev 2**.....     | all     |
| V0079100                                                                                                                                                                                                  | Gas valve, JVS, propane.....                    | 100-225 | E2347400                                                                                                                                                                                                                                                 | Sensor, outdoor temp, rev 2**.....              | all     |
| L0032200                                                                                                                                                                                                  | Gas orifice, Nat, 0-2000 ft.....                | 50-125  | E2102800                                                                                                                                                                                                                                                 | Control, ignition, 100% lockout.....            | all     |
| L0032600                                                                                                                                                                                                  | Gas orifice, Nat, 5001-8000 ft.....             | 50-125  | 10449514                                                                                                                                                                                                                                                 | High tension lead, JVS.....                     | 50-125  |
| L0032600                                                                                                                                                                                                  | Gas orifice, Nat, 2001-5000 ft.....             | 160-225 | 10449515                                                                                                                                                                                                                                                 | High tension lead, JVS.....                     | 160     |
| L0032700                                                                                                                                                                                                  | Gas orifice, Propane, 8001-10,000 ft.....       | 50-225  | 10449516                                                                                                                                                                                                                                                 | High tension lead, JVS.....                     | 225     |
| L0032800                                                                                                                                                                                                  | Gas orifice, Propane, 5001-8000 ft.....         | 50-225  | R2028003                                                                                                                                                                                                                                                 | Wire harness, JVT.....                          | all     |
| L0032900                                                                                                                                                                                                  | Gas orifice, Propane, 0-5000 ft.....            | 50-225  | E2347700                                                                                                                                                                                                                                                 | Wire harness, JVS, rev 2**.....                 | all     |
| L0050300                                                                                                                                                                                                  | Gas orifice, Nat, 8001-10,000 ft.....           | 50-125  | R2028001                                                                                                                                                                                                                                                 | Wire harness, JVS 1-stage, rev 1**.....         | all     |
| L0050300                                                                                                                                                                                                  | Gas orifice, Nat, 5001-8000 ft.....             | 160-225 | R2028002                                                                                                                                                                                                                                                 | Wire harness, JVS 2-stage, rev 1**.....         | all     |
| L0050400                                                                                                                                                                                                  | Gas orifice, Nat, 2001-5000 ft.....             | 160-225 | E0099100                                                                                                                                                                                                                                                 | Vent damper wire harness.....                   | 50-100  |
| L0050700                                                                                                                                                                                                  | Gas orifice, Nat, 2001-5000 ft.....             | 50-125  | E0099101                                                                                                                                                                                                                                                 | Vent damper wire harness.....                   | 125-225 |
| L0050700                                                                                                                                                                                                  | Gas orifice, Nat, 0-2000 ft.....                | 160-225 | E2103200                                                                                                                                                                                                                                                 | Roll-out safety switch.....                     | all     |
| L0052500                                                                                                                                                                                                  | Burner, main.....                               | all     | R2061100                                                                                                                                                                                                                                                 | Blocked vent safety switch.....                 | all     |
| L0052601                                                                                                                                                                                                  | Gas manifold.....                               | 50      | R0021300                                                                                                                                                                                                                                                 | Transformer, 40VA, 115/24V.....                 | all     |
| L0052602                                                                                                                                                                                                  | Gas manifold.....                               | 75      | RE0084401                                                                                                                                                                                                                                                | Fuse, 4A, 5-pack kit.....                       | all     |
| L0052603                                                                                                                                                                                                  | Gas manifold.....                               | 100     | 20129300                                                                                                                                                                                                                                                 | Power venter jumper.....                        | all     |
| L0052604                                                                                                                                                                                                  | Gas manifold.....                               | 125     | E0088400                                                                                                                                                                                                                                                 | Relay, DPNO.....                                | all     |
| L0052605                                                                                                                                                                                                  | Gas manifold.....                               | 160     | E0098500                                                                                                                                                                                                                                                 | Terminal strip.....                             | all     |
| L0052606                                                                                                                                                                                                  | Gas manifold.....                               | 225     | RE2351400                                                                                                                                                                                                                                                | Plug, black, TCM control, rev 2**.....          | all     |
| R10907700                                                                                                                                                                                                 | JVT pilot/main burner assy, nat, std. alt.....  | 050-225 | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b>                                                                                                                                                                                                              |                                                 |         |
| R10907702                                                                                                                                                                                                 | JVT pilot/main burner assy, nat, high alt.....  | 050-225 | R0402001                                                                                                                                                                                                                                                 | Heat exchanger, rev 1**.....                    | 50      |
| R10907701                                                                                                                                                                                                 | JVT pilot/main burner assy, LP, all alts.....   | 050-225 | R0402002                                                                                                                                                                                                                                                 | Heat exchanger, rev 1**.....                    | 75      |
| 10582204                                                                                                                                                                                                  | JVS pilot/main burner assy, nat, std alt.....   | 050-100 | R0402003                                                                                                                                                                                                                                                 | Heat exchanger, rev 1**.....                    | 100     |
| 10582202                                                                                                                                                                                                  | JVS pilot/main burner assy, nat, std alt.....   | 125-160 | R0402004                                                                                                                                                                                                                                                 | Heat exchanger, rev 1**.....                    | 125     |
| 10582200                                                                                                                                                                                                  | JVS pilot/main burner assy, nat, std alt.....   | 225     | R0402005                                                                                                                                                                                                                                                 | Heat exchanger, rev 1**.....                    | 160     |
| 10582208                                                                                                                                                                                                  | JVS pilot/main burner assy, nat, high alt.....  | 050-100 | R0402006                                                                                                                                                                                                                                                 | Heat exchanger, rev 1**.....                    | 225     |
| 10582207                                                                                                                                                                                                  | JVS pilot/main burner assy, nat, high alt.....  | 125-160 | A0066500                                                                                                                                                                                                                                                 | Taco pump, 1/25hP.....                          | all     |
| 10582206                                                                                                                                                                                                  | JVS pilot/main burner assy, nat, high alt.....  | 225     | RE2058300                                                                                                                                                                                                                                                | Immersion well, nickel plated.....              | all     |
| 10582205                                                                                                                                                                                                  | JVS pilot/main burner assy, LP, all alts.....   | 050-100 | E0025902                                                                                                                                                                                                                                                 | Immersion well, revs 1 & 2**.....               | all     |
| 10582203                                                                                                                                                                                                  | JVS pilot/main burner assy, LP, all alts.....   | 125-160 | E2345700                                                                                                                                                                                                                                                 | Sensor well, rev 2**.....                       | all     |
| 10582201                                                                                                                                                                                                  | JVS pilot/main burner assy, LP, all alts.....   | 225     | E2327900                                                                                                                                                                                                                                                 | Clip for E0025902 well.....                     | all     |
| W0040900                                                                                                                                                                                                  | Pilot assembly, natural, std. altitude.....     | JVT     | P2015900                                                                                                                                                                                                                                                 | Adapter, brass T&P.....                         | all     |
| W0040902                                                                                                                                                                                                  | Pilot assembly, natural, high altitude.....     | JVT     | R0060600                                                                                                                                                                                                                                                 | Gauge, temp/pressure 70-250F, 0-90psi.....      | all     |
| W0040901                                                                                                                                                                                                  | Pilot assembly, LP.....                         | JVT     | R0061400                                                                                                                                                                                                                                                 | Pressure relief valve, 30psi.....               | all     |
| R0061600                                                                                                                                                                                                  | Pilot assembly, natural.....                    | JVS     | R10-143                                                                                                                                                                                                                                                  | Drain.....                                      | all     |
| W0039600                                                                                                                                                                                                  | Pilot assembly, LP.....                         | JVS     | <b>COMBUSTION CHAMBER COMPONENTS</b>                                                                                                                                                                                                                     |                                                 |         |
| W0036500                                                                                                                                                                                                  | Thermocouple.....                               | JVT     | 10469501                                                                                                                                                                                                                                                 | Tile cover, MiniTherm II.....                   | 50      |
| Q0068400                                                                                                                                                                                                  | Pilot gas tubing (sold per foot).....           | all     | 10469502                                                                                                                                                                                                                                                 | Tile cover, MiniTherm II.....                   | 75      |
| R0409701                                                                                                                                                                                                  | JVS rem. sense w/burner cover repl, hi alt..... | 50      | 10469503                                                                                                                                                                                                                                                 | Tile cover, MiniTherm II.....                   | 100     |
| R0409702                                                                                                                                                                                                  | JVS rem. sense w/burner cover repl, hi alt..... | 75      | 10469504                                                                                                                                                                                                                                                 | Tile cover, MiniTherm II.....                   | 125     |
| R0409703                                                                                                                                                                                                  | JVS rem. sense w/burner cover repl, hi alt..... | 100     | 10469505                                                                                                                                                                                                                                                 | Tile cover, MiniTherm II.....                   | 160     |
| R0409704                                                                                                                                                                                                  | JVS rem. sense w/burner cover repl, hi alt..... | 125     | 10469506                                                                                                                                                                                                                                                 | Tile cover, MiniTherm II.....                   | 225     |
| R0409705                                                                                                                                                                                                  | JVS rem. sense w/burner cover repl, hi alt..... | 160     | T0027200                                                                                                                                                                                                                                                 | Refractory blanket (sold by sq. ft.).....       | all     |
| R0409706                                                                                                                                                                                                  | JVS rem. sense w/burner cover repl, hi alt..... | 225     | T0027300                                                                                                                                                                                                                                                 | Insulation (sold by sq. ft.).....               | all     |
| L0055900                                                                                                                                                                                                  | Air shutter, propane.....                       | all     | 10472500                                                                                                                                                                                                                                                 | Weld manifold support, right, MiniTherm II..... | all     |
| L0056500                                                                                                                                                                                                  | Burner with pilot bracket assembly.....         | all     |                                                                                                                                                                                                                                                          |                                                 |         |
| 10562300                                                                                                                                                                                                  | Anti-rotation bracket.....                      | all     |                                                                                                                                                                                                                                                          |                                                 |         |

\*\*Rev 1 boilers have 10-digit model numbers

Rev 2 boilers have 12-digit model numbers that end in "U2"

# Mini-Therm Models JVS & JVT (Cont.)

| Part No.                                                 | Description                                    | Size       | Part No.                                               | Description                                     | Size       |
|----------------------------------------------------------|------------------------------------------------|------------|--------------------------------------------------------|-------------------------------------------------|------------|
| 10472600                                                 | Weld manifold support, left, MiniTherm II..... | all        | 11020205                                               | Rear panel, MiniTherm II.....                   | 160        |
| 10485301                                                 | Baffle.....                                    | 50         | 11020206                                               | Rear panel, MiniTherm II.....                   | 225        |
| 10485302                                                 | Baffle.....                                    | 75         | 10466701                                               | Non-combustible base.....                       | 50-75      |
| 10485303                                                 | Baffle.....                                    | 100        | 10466702                                               | Non-combustible base.....                       | 100-125    |
| 10485304                                                 | Baffle.....                                    | 125        | 10466703                                               | Non-combustible base.....                       | 160        |
| 10485305                                                 | Baffle.....                                    | 160        | 10466704                                               | Non-combustible base.....                       | 225        |
| 10485306                                                 | Baffle.....                                    | 225        | 10467101                                               | Base assembly.....                              | 50         |
| 20034901                                                 | Flue collector, MiniTherm II.....              | 50         | 10467102                                               | Base assembly.....                              | 75         |
| 20034902                                                 | Flue collector, MiniTherm II.....              | 75         | 10467103                                               | Base assembly.....                              | 100        |
| 20034903                                                 | Flue collector, MiniTherm II.....              | 100        | 10467104                                               | Base assembly.....                              | 125        |
| 20034904                                                 | Flue collector, MiniTherm II.....              | 125        | 10467105                                               | Base assembly.....                              | 160        |
| 20034905                                                 | Flue collector, MiniTherm II.....              | 160        | 10467106                                               | Base assembly.....                              | 225        |
| 20034906                                                 | Flue collector, MiniTherm II.....              | 225        | <b>JACKET / BASE COMPONENTS</b>                        |                                                 |            |
| 20069101                                                 | Burner cover.....                              | 50-75      | <b>"Square corner" Jacket components - before 2004</b> |                                                 |            |
| 20069102                                                 | Burner cover.....                              | 100-125    | <i>Some parts are limited to stock on hand</i>         |                                                 |            |
| 20069105                                                 | Burner cover.....                              | 160        | 10470101                                               | Gas closure, left & right, MiniTherm I.....     | 50/100     |
| 20069106                                                 | Burner cover.....                              | 225        | 10470102                                               | Gas closure, left & right, MiniTherm I.....     | 75/125-225 |
| T0021701                                                 | Rear tile.....                                 | 50         | 10470301                                               | Flue collector, MiniTherm I.....                | 50         |
| T0021702                                                 | Rear tile.....                                 | 75         | 10470302                                               | Flue collector, MiniTherm I.....                | 75         |
| T0021703                                                 | Rear tile.....                                 | 100        | 10470303                                               | Flue collector, MiniTherm I.....                | 100        |
| T0021704                                                 | Rear tile.....                                 | 125        | 10470304                                               | Flue collector, MiniTherm I.....                | 125        |
| T0021705                                                 | Rear tile.....                                 | 160        | 10470305                                               | Flue collector, MiniTherm I.....                | 160        |
| T0021706                                                 | Rear tile.....                                 | 225        | 10470306                                               | Flue collector, MiniTherm I.....                | 225        |
| T0022001                                                 | Front tile.....                                | 50         | 10484606                                               | Heat shield front panel.....                    | all        |
| T0022002                                                 | Front tile.....                                | 75         | 10535900                                               | Access panel, heat exchanger.....               | all        |
| T0022003                                                 | Front tile.....                                | 100        | 20034801                                               | Draft diverter, square corner jacket.....       | 50         |
| T0022004                                                 | Front tile.....                                | 125        | 20034802                                               | Draft diverter, square corner jacket.....       | 75         |
| T0022605                                                 | Front tile.....                                | 160        | 20034803                                               | Draft diverter, square corner jacket.....       | 100        |
| T0022606                                                 | Front tile.....                                | 225        | 20034804                                               | Draft diverter, square corner jacket.....       | 125        |
| <b>JACKET / BASE COMPONENTS</b>                          |                                                |            | 20034805                                               | Draft diverter, square corner jacket.....       | 160        |
| <b>"Round corner" Jacket components - 2004 and later</b> |                                                |            | 20034806                                               | Draft diverter, square corner jacket.....       | 225        |
| 10500601                                                 | Burner cover, MiniTherm II.....                | 50         | 20086800                                               | Base, control box, MiniTherm II.....            | 50-75      |
| 10500602                                                 | Burner cover, MiniTherm II.....                | 75         | 20087100                                               | Control box cover, MiniTherm II.....            | all        |
| 10500603                                                 | Burner cover, MiniTherm II.....                | 100        | 20099801                                               | Rear panel, sq corner jacket, MiniTherm II..... | 50         |
| 10500604                                                 | Burner cover, MiniTherm II.....                | 125        | 20099802                                               | Rear panel, sq corner jacket, MiniTherm II..... | 75         |
| 10494105                                                 | Burner cover, MiniTherm II.....                | 160        | 20099803                                               | Rear panel, sq corner jacket, MiniTherm II..... | 100        |
| 10494106                                                 | Burner cover, MiniTherm II.....                | 225        | 20099804                                               | Rear panel, sq corner jacket, MiniTherm II..... | 125        |
| 11019401                                                 | Top panel, MiniTherm II.....                   | 50         | 20099805                                               | Rear panel, sq corner jacket, MiniTherm II..... | 160        |
| 11019402                                                 | Top panel, MiniTherm II.....                   | 75         | 20099806                                               | Rear panel, sq corner jacket, MiniTherm II..... | 225        |
| 11019403                                                 | Top panel, MiniTherm II.....                   | 100        | 20052601                                               | Draffhood, MiniTherm I (mushroom top).....      | 50         |
| 11019404                                                 | Top panel, MiniTherm II.....                   | 125        | 20052602                                               | Draffhood, MiniTherm I (mushroom top).....      | 75-100     |
| 11019405                                                 | Top panel, MiniTherm II.....                   | 160        | 20052603                                               | Draffhood, MiniTherm I (mushroom top).....      | 125-160    |
| 11019406                                                 | Top panel, MiniTherm II.....                   | 225        | 20052604                                               | Draffhood, MiniTherm I (mushroom top).....      | 225        |
| 11020101                                                 | Draft diverter, MiniTherm II.....              | 50         | RE2071501                                              | Vent damper, 4".....                            | 50         |
| 11020102                                                 | Draft diverter, MiniTherm II.....              | 75         | RE2071502                                              | Vent damper, 5".....                            | 75-100     |
| 11020103                                                 | Draft diverter, MiniTherm II.....              | 100        | RE2071503                                              | Vent damper, 6".....                            | 125-160    |
| 11020104                                                 | Draft diverter, MiniTherm II.....              | 125        | RE2071504                                              | Vent damper, 7".....                            | 225        |
| 11020105                                                 | Draft diverter, MiniTherm II.....              | 160        | 10466701                                               | Non-combustible base.....                       | 50-75      |
| 11020106                                                 | Draft diverter, MiniTherm II.....              | 225        | 10466702                                               | Non-combustible base.....                       | 100-125    |
| RE2071501                                                | Vent damper, 4".....                           | 50         | 10466703                                               | Non-combustible base.....                       | 160        |
| RE2071502                                                | Vent damper, 5".....                           | 75-100     | 10466704                                               | Non-combustible base.....                       | 225        |
| RE2071503                                                | Vent damper, 6".....                           | 125-160    | 10467101                                               | Base assembly.....                              | 50         |
| RE2071504                                                | Vent damper, 7".....                           | 225        | 10467102                                               | Base assembly.....                              | 75         |
| 11045801                                                 | Cover, control panel, MiniTherm II.....        | 50-75      | 10467103                                               | Base assembly.....                              | 100        |
| 11045802                                                 | Cover, control panel, MiniTherm II.....        | 100-225    | 10467104                                               | Base assembly.....                              | 125        |
| 11045901                                                 | Cover, control panel, rev 2**.....             | all        | 10467105                                               | Base assembly.....                              | 160        |
| 11047603                                                 | Cover, top, piping, MiniTherm II.....          | 50/100     | 10467106                                               | Base assembly.....                              | 225        |
| 11047604                                                 | Cover, top, piping, MiniTherm II.....          | 75/125/160 | <b>POWER VENTERS</b>                                   |                                                 |            |
| 11047606                                                 | Cover, top, piping, MiniTherm II.....          | 225        | 20020500                                               | Power venter for up to 100-ft vent run.....     | 50-100     |
| 11020201                                                 | Rear panel, MiniTherm II.....                  | 50/75      | 20020601                                               | Power venter for up to 100-ft vent run.....     | 125-160    |
| 11020203                                                 | Rear panel, MiniTherm II.....                  | 100/125    | 20020601                                               | Power venter for up to 50-ft vent run.....      | 225        |
|                                                          |                                                |            | 20020602                                               | Power venter for 51-100 ft vent run.....        | 225        |

\*\* Rev 2 boilers have 12-digit model numbers that end in "U2"

# Mini-Therm Models JVS & JVT (Cont.)

| Part No.                                                                                                                                                                                                                                                                                                                            | Description         | Size | Part No.                          | Description         | Size |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------|-----------------------------------|---------------------|------|
| <b>FUEL CONVERSION KITS</b>                                                                                                                                                                                                                                                                                                         |                     |      | <b>JVS NATURAL GAS TO PROPANE</b> |                     |      |
| Includes gas orifices, pilot orifice, instructions and Honeywell valve conversions kits for single stage boilers only. For boilers equipped with Robertshaw valves or two stage gas valves, purchase appropriate gas valve separately. Note: For conversion of boilers from one fuel to another, at the same installation altitude. |                     |      | R2000301                          | 0-5000 ft.....      | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000302                          | 5001-8000 ft.....   | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000303                          | 8001-10,000 ft..... | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000304                          | 0-5000 ft.....      | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000305                          | 5001-8000 ft.....   | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000306                          | 8001-10,000 ft..... | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000307                          | 0-5000 ft.....      | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000308                          | 5001-8000 ft.....   | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000309                          | 8001-10,000 ft..... | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000310                          | 0-5000 ft.....      | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000311                          | 5001-8000 ft.....   | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000312                          | 8001-10,000 ft..... | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000313                          | 0-5000 ft.....      | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000314                          | 5001-8000 ft.....   | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000315                          | 8001-10,000 ft..... | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000316                          | 0-5000 ft.....      | 225  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000317                          | 5001-8000 ft.....   | 225  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000318                          | 8001-10,000 ft..... | 225  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | <b>JVS PROPANE TO NATURAL GAS</b> |                     |      |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000401                          | 0-2000 ft.....      | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000402                          | 2001-5000 ft.....   | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000403                          | 5001-8000 ft.....   | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000404                          | 8001-10,000 ft..... | 50   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000405                          | 0-2000 ft.....      | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000406                          | 2001-5000 ft.....   | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000407                          | 5001-8000 ft.....   | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000408                          | 8001-10,000 ft..... | 75   |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000409                          | 0-2000 ft.....      | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000410                          | 2001-5000 ft.....   | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000411                          | 5001-8000 ft.....   | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000412                          | 8001-10,000 ft..... | 100  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000413                          | 0-2000 ft.....      | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000414                          | 2001-5000 ft.....   | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000415                          | 5001-8000 ft.....   | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000416                          | 8001-10,000 ft..... | 125  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000417                          | 0-2000 ft.....      | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000418                          | 2001-5000 ft.....   | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000419                          | 5001-8000 ft.....   | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000420                          | 8001-10,000 ft..... | 160  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000421                          | 0-2000 ft.....      | 225  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000422                          | 2001-5000 ft.....   | 225  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000423                          | 5001-8000 ft.....   | 225  |
|                                                                                                                                                                                                                                                                                                                                     |                     |      | R2000424                          | 8001-10,000 ft..... | 225  |
| <b>JVT NATURAL GAS TO PROPANE</b>                                                                                                                                                                                                                                                                                                   |                     |      |                                   |                     |      |
| R2000101                                                                                                                                                                                                                                                                                                                            | 0-5000 ft.....      | 50   |                                   |                     |      |
| R2000102                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 50   |                                   |                     |      |
| R2000103                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 50   |                                   |                     |      |
| R2000104                                                                                                                                                                                                                                                                                                                            | 0-5000 ft.....      | 75   |                                   |                     |      |
| R2000105                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 75   |                                   |                     |      |
| R2000106                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 75   |                                   |                     |      |
| R2000107                                                                                                                                                                                                                                                                                                                            | 0-5000 ft.....      | 100  |                                   |                     |      |
| R2000108                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 100  |                                   |                     |      |
| R2000109                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 100  |                                   |                     |      |
| R2000110                                                                                                                                                                                                                                                                                                                            | 0-5000 ft.....      | 125  |                                   |                     |      |
| R2000111                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 125  |                                   |                     |      |
| R2000112                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 125  |                                   |                     |      |
| R2000113                                                                                                                                                                                                                                                                                                                            | 0-5000 ft.....      | 160  |                                   |                     |      |
| R2000114                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 160  |                                   |                     |      |
| R2000115                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 160  |                                   |                     |      |
| R2000116                                                                                                                                                                                                                                                                                                                            | 0-5000 ft.....      | 225  |                                   |                     |      |
| R2000117                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 225  |                                   |                     |      |
| R2000118                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 225  |                                   |                     |      |
| <b>JVT PROPANE TO NATURAL GAS</b>                                                                                                                                                                                                                                                                                                   |                     |      |                                   |                     |      |
| R2000201                                                                                                                                                                                                                                                                                                                            | 0-2000 ft.....      | 50   |                                   |                     |      |
| R2000202                                                                                                                                                                                                                                                                                                                            | 2001-5000 ft.....   | 50   |                                   |                     |      |
| R2000203                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 50   |                                   |                     |      |
| R2000204                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 50   |                                   |                     |      |
| R2000205                                                                                                                                                                                                                                                                                                                            | 0-2000 ft.....      | 75   |                                   |                     |      |
| R2000206                                                                                                                                                                                                                                                                                                                            | 2001-5000 ft.....   | 75   |                                   |                     |      |
| R2000207                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 75   |                                   |                     |      |
| R2000208                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 75   |                                   |                     |      |
| R2000209                                                                                                                                                                                                                                                                                                                            | 0-2000 ft.....      | 100  |                                   |                     |      |
| R2000210                                                                                                                                                                                                                                                                                                                            | 2001-5000 ft.....   | 100  |                                   |                     |      |
| R2000211                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 100  |                                   |                     |      |
| R2000212                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 100  |                                   |                     |      |
| R2000213                                                                                                                                                                                                                                                                                                                            | 0-2000 ft.....      | 125  |                                   |                     |      |
| R2000214                                                                                                                                                                                                                                                                                                                            | 2001-5000 ft.....   | 125  |                                   |                     |      |
| R2000215                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 125  |                                   |                     |      |
| R2000216                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 125  |                                   |                     |      |
| R2000217                                                                                                                                                                                                                                                                                                                            | 0-2000 ft.....      | 160  |                                   |                     |      |
| R2000218                                                                                                                                                                                                                                                                                                                            | 2001-5000 ft.....   | 160  |                                   |                     |      |
| R2000219                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 160  |                                   |                     |      |
| R2000220                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 160  |                                   |                     |      |
| R2000221                                                                                                                                                                                                                                                                                                                            | 0-2000 ft.....      | 225  |                                   |                     |      |
| R2000222                                                                                                                                                                                                                                                                                                                            | 2001-5000 ft.....   | 225  |                                   |                     |      |
| R2000223                                                                                                                                                                                                                                                                                                                            | 5001-8000 ft.....   | 225  |                                   |                     |      |
| R2000224                                                                                                                                                                                                                                                                                                                            | 8001-10,000 ft..... | 225  |                                   |                     |      |

# Mini-Therm Model JVH

Sizes 50,000 - 225,000 BTU/h

| Part No.                    | Description                                  | Model   | Part No.                                                                | Description                                     | Model   |
|-----------------------------|----------------------------------------------|---------|-------------------------------------------------------------------------|-------------------------------------------------|---------|
| <b>GAS / AIR COMPONENTS</b> |                                              |         | <b>ELECTRICAL / CONTROL COMPONENTS</b>                                  |                                                 |         |
| R0384700                    | Gas valve, natural.....                      | 50-160  | RE2344300                                                               | Temperature control, rev 2**.....               | all     |
| R0384800                    | Gas valve, propane.....                      | all     | RE2347600                                                               | Sensor, water temp, rev 2**.....                | all     |
| RV2001900                   | Gas valve, natural.....                      | 225     | RE2347601                                                               | Sensor, water temp, with well, rev 2**.....     | all     |
| 20401601                    | Burner tray assembly, Nat.....               | 50      | E2347400                                                                | Sensor, outdoor temperature, rev 2**.....       | all     |
| 20401602                    | Burner tray assembly, Nat.....               | 75      | E2347500                                                                | Wire harness rev 2**.....                       | all     |
| 20401603                    | Burner tray assembly, Nat.....               | 100     | E2345700                                                                | Well, immersion, 3/4" NPT, rev 2**.....         | all     |
| 20401604                    | Burner tray assembly, Nat.....               | 125     | E0088400                                                                | Relay, DPNO, 24V.....                           | all     |
| 20401605                    | Burner tray assembly, Nat.....               | 160     | E0098500                                                                | Terminal strip.....                             | all     |
| 20401606                    | Burner tray assembly, Nat.....               | 225     | R2081401                                                                | Transformer, 115/24V rev 1 (50VA).....          | all     |
| 20402401                    | Burner tray assembly, Propane.....           | 50      | R2081402                                                                | Transfrmr, 115/24V rev 2 before June 2017.....  | all     |
| 20402402                    | Burner tray assembly, Propane.....           | 75      | RE2074400                                                               | Transfrmr, 115/24V rev 2 June 2017 & after..... | all     |
| 20402403                    | Burner tray assembly, Propane.....           | 100     | E2074501                                                                | Pressure switch, 0-5000 ft.....                 | 50-100  |
| 20402404                    | Burner tray assembly, Propane.....           | 125     | E2074502                                                                | Pressure switch, 0-5000 ft.....                 | 125-160 |
| 20402405                    | Burner tray assembly, Propane.....           | 160     | E2074503                                                                | Pressure switch, 0-5000 ft.....                 | 225     |
| 20402406                    | Burner tray assembly, Propane.....           | 225     | E2074504                                                                | Pressure switch, 5001-10,000 ft.....            | 50-100  |
| L0032200                    | Gas orifice, Nat, 0-2000 ft.....             | 50-125  | E2074505                                                                | Pressure switch, 5001-10,000 ft.....            | 125-160 |
| L0032600                    | Gas orifice, Nat, 5001-8000 ft.....          | 50-125  | E2074506                                                                | Pressure switch, 5001-10,000 ft.....            | 225     |
| L0032600                    | Gas orifice, Nat, 2001-5000 ft.....          | 160-225 | E2103200                                                                | Switch, roll-out.....                           | all     |
| L0032700                    | Gas orifice, Propane, 8001-10,000 ft.....    | 50-225  | R0061300                                                                | Temperature control / limit.....                | all     |
| L0032800                    | Gas orifice, Propane, 5001-8000 ft.....      | 50-225  | R2069600                                                                | Blower.....                                     | all     |
| L0032900                    | Gas orifice, Propane, 0-5000 ft.....         | 50-225  | R2072300                                                                | Harness, gas valve.....                         | all     |
| L0050300                    | Gas orifice, Nat, 8001-10,000 ft.....        | 50-125  | RE0084401                                                               | Fuse, 4 Amp 5-pack kit.....                     | all     |
| L0050300                    | Gas orifice, Nat, 5001-8000 ft.....          | 160-225 | E0025902                                                                | Well, immersion, 3/8" bulb.....                 | all     |
| L0050400                    | Gas orifice, Nat, 2001-5000 ft.....          | 160-225 | <i>**For boilers with 12-character model number and "U2" at the end</i> |                                                 |         |
| L0050700                    | Gas orifice, Nat, 2001-5000 ft.....          | 50-125  | <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b>                             |                                                 |         |
| L0050700                    | Gas orifice, Nat, 0-2000 ft.....             | 160-225 | R0402007                                                                | Heat exchanger.....                             | 50      |
| L0052500                    | Burner, main.....                            | all     | R0402008                                                                | Heat exchanger.....                             | 75      |
| L0052601                    | Gas manifold.....                            | 50      | R0402009                                                                | Heat exchanger.....                             | 100     |
| L0052602                    | Gas manifold.....                            | 75      | R0402010                                                                | Heat exchanger.....                             | 125     |
| L0052603                    | Gas manifold.....                            | 100     | R0402011                                                                | Heat exchanger.....                             | 160     |
| L0052604                    | Gas manifold.....                            | 125     | R0402012                                                                | Heat exchanger.....                             | 225     |
| L0052605                    | Gas manifold.....                            | 160     | 2400-392                                                                | Gauge, temperature.....                         | all     |
| L0052606                    | Gas manifold.....                            | 225     | A2000400                                                                | Gauge, temperature & pressure.....              | all     |
| RW2001800                   | Pilot assembly, hot surface, Natural.....    | all     | R0061400                                                                | Pressure relief valve, 30psi.....               | all     |
| RW2001900                   | Pilot assembly, hot surface, Propane.....    | all     | R10-143                                                                 | Drain valve.....                                | all     |
| Q0068400                    | Pilot gas tubing (sold per foot).....        | all     | <b>COMBUSTION CHAMBER COMPONENTS</b>                                    |                                                 |         |
| L0056500                    | Burner with pilot bracket.....               | all     | 10469501                                                                | Tile cover.....                                 | 50      |
| L0055900                    | Air shutter, propane.....                    | all     | 10469502                                                                | Tile cover.....                                 | 75      |
| 20404614                    | Orifice plate, Nat & LP, 0-5000 ft.....      | 50      | 10469503                                                                | Tile cover.....                                 | 100     |
| 20404602                    | Orifice plate, Nat, 5001-10,000 ft.....      | 50      | 10469504                                                                | Tile cover.....                                 | 125     |
| 20404613                    | Orifice plate, LP, 5001-10,000 ft.....       | 50      | 10469505                                                                | Tile cover.....                                 | 160     |
| 20404615                    | Orifice plate, Nat & LP, 0-5000 ft.....      | 75      | 10469506                                                                | Tile cover.....                                 | 225     |
| 20404602                    | Orifice plate, LP, 5001-10,000 ft.....       | 75      | 10485301                                                                | Heat exchanger baffle.....                      | 50      |
| 20404603                    | Orifice plate, Nat, 5001-10,000 ft.....      | 75      | 10485302                                                                | Heat exchanger baffle.....                      | 75      |
| 20404611                    | Orifice plate, Nat & LP, 0-5000 ft.....      | 100     | 10485303                                                                | Heat exchanger baffle.....                      | 100     |
| 20404604                    | Orifice plate, Nat, 5000-10,000 ft.....      | 100     | 10485304                                                                | Heat exchanger baffle.....                      | 125     |
| 20404611                    | Orifice plate, LP, 5000-10,000 ft.....       | 100     | 10485305                                                                | Heat exchanger baffle.....                      | 160     |
| 20404604                    | Orifice plate, Nat, 0-5000 ft.....           | 125     | 10485306                                                                | Heat exchanger baffle.....                      | 225     |
| 20404605                    | Orifice plate, LP, 0-5000 ft.....            | 125     | 20403001                                                                | Burner tray weldment.....                       | 50      |
| 20404605                    | Orifice plate, Nat, 5001-10,000 ft.....      | 125     | 20403002                                                                | Burner tray weldment.....                       | 75      |
| 20404604                    | Orifice plate, LP, 5001-10,000 ft.....       | 125     | 20403003                                                                | Burner tray weldment.....                       | 100     |
| 20404616                    | Orifice plate, Nat, 0-5000 ft.....           | 160     | 20403004                                                                | Burner tray weldment.....                       | 125     |
| 20404607                    | Orifice plate, LP, 0-5000 ft.....            | 160     | 20403005                                                                | Burner tray weldment.....                       | 160     |
| 20404606                    | Orifice plate, Nat & LP, 5001-10,000 ft..... | 160     | 20403006                                                                | Burner tray weldment.....                       | 225     |
| 20404609                    | Orifice plate, Nat, 0-5000 ft.....           | 225     | F2007001                                                                | Securement cable.....                           | 50      |
| 20404610                    | Orifice plate, LP, 0-5000 ft.....            | 225     | F2007002                                                                | Securement cable.....                           | 75      |
| 20404608                    | Orifice plate, Nat, 5001-10,000 ft.....      | 225     | F2007003                                                                | Securement cable.....                           | 100     |
| 20404612                    | Orifice plate, LP, 5001-10,000 ft.....       | 225     | F2007004                                                                | Securement cable.....                           | 125     |
| D2004201                    | Transition 4" without damper.....            | all     | F2007005                                                                | Securement cable.....                           | 160     |

# Mini-Therm Model JVH (Cont.)

| Part No.                                                | Description                                 | Size        | Part No.                                                                                                                      | Description                              | Size |
|---------------------------------------------------------|---------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------|
| F2007006                                                | Securement cable.....                       | 225         | R2000507                                                                                                                      | 0-5000 ft.....                           | 100  |
| 20403901                                                | Flue collector weldment.....                | 50          | R2000508                                                                                                                      | 5001-8000 ft.....                        | 100  |
| 20403902                                                | Flue collector weldment.....                | 75          | R2000509                                                                                                                      | 8001-10,000 ft.....                      | 100  |
| 20403903                                                | Flue collector weldment.....                | 100         | R2000510                                                                                                                      | 0-5000 ft.....                           | 125  |
| 20403904                                                | Flue collector weldment.....                | 125         | R2000511                                                                                                                      | 5001-8000 ft.....                        | 125  |
| 20403905                                                | Flue collector weldment.....                | 160         | R2000512                                                                                                                      | 8001-10,000 ft.....                      | 125  |
| 20403906                                                | Flue collector weldment.....                | 225         | R2000513                                                                                                                      | 0-5000 ft.....                           | 160  |
| T2007701                                                | Tile, refractory, front.....                | 50          | R2000514                                                                                                                      | 5001-8000 ft.....                        | 160  |
| T2007702                                                | Tile, refractory, front.....                | 75          | R2000515                                                                                                                      | 8001-10,000 ft.....                      | 160  |
| T2007703                                                | Tile, refractory, front.....                | 100         | R2000516                                                                                                                      | 0-5000 ft.....                           | 225  |
| T2007704                                                | Tile, refractory, front.....                | 125         | R2000517                                                                                                                      | 5001-8000 ft.....                        | 225  |
| T2007705                                                | Tile, refractory, front.....                | 160         | R2000518                                                                                                                      | 8001-10,000 ft.....                      | 225  |
| T2007706                                                | Tile, refractory, front.....                | 225         | <b>JVH PROPANE TO NATURAL GAS</b>                                                                                             |                                          |      |
| T2007801                                                | Tile, refractory, rear.....                 | 50          | R2000601                                                                                                                      | 0-2000 ft.....                           | 50   |
| T2007802                                                | Tile, refractory, rear.....                 | 75          | R2000602                                                                                                                      | 2001-5000 ft.....                        | 50   |
| T2007803                                                | Tile, refractory, rear.....                 | 100         | R2000603                                                                                                                      | 5001-8000 ft.....                        | 50   |
| T2007804                                                | Tile, refractory, rear.....                 | 125         | R2000604                                                                                                                      | 8001-10,000 ft.....                      | 50   |
| T2007805                                                | Tile, refractory, rear.....                 | 160         | R2000605                                                                                                                      | 0-2000 ft.....                           | 75   |
| T2007806                                                | Tile, refractory, rear.....                 | 225         | R2000606                                                                                                                      | 2001-5000 ft.....                        | 75   |
| <b>JACKET / BASE COMPONENTS</b>                         |                                             |             | R2000607                                                                                                                      | 5001-8000 ft.....                        | 75   |
| 11027901                                                | Jacket, round corner, (sides and back)..... | 50-75       | R2000608                                                                                                                      | 8001-10,000 ft.....                      | 75   |
| 11027903                                                | Jacket, round corner, (sides and back)..... | 100-125     | R2000609                                                                                                                      | 0-2000 ft.....                           | 100  |
| 11027905                                                | Jacket, round corner, (sides and back)..... | 160         | R2000610                                                                                                                      | 2001-5000 ft.....                        | 100  |
| 11027906                                                | Jacket, round corner, (sides and back)..... | 225         | R2000611                                                                                                                      | 5001-8000 ft.....                        | 100  |
| 11028301                                                | Front panel, round corner.....              | 50-75       | R2000612                                                                                                                      | 8001-10,000 ft.....                      | 100  |
| 11028303                                                | Front panel, round corner.....              | 100-125     | R2000613                                                                                                                      | 0-2000 ft.....                           | 125  |
| 11028305                                                | Front panel, round corner.....              | 160         | R2000614                                                                                                                      | 2001-5000 ft.....                        | 125  |
| 11028306                                                | Front panel, round corner.....              | 225         | R2000615                                                                                                                      | 5001-8000 ft.....                        | 125  |
| 11028401                                                | Top, front section, round corner.....       | 50          | R2000616                                                                                                                      | 8001-10,000 ft.....                      | 125  |
| 11028402                                                | Top, front section, round corner.....       | 75          | R2000617                                                                                                                      | 0-2000 ft.....                           | 160  |
| 11028403                                                | Top, front section, round corner.....       | 100         | R2000618                                                                                                                      | 2001-5000 ft.....                        | 160  |
| 11028404                                                | Top, front section, round corner.....       | 125         | R2000619                                                                                                                      | 5001-10,000 ft.....                      | 160  |
| 11028405                                                | Top, front section, round corner.....       | 160         | R2000620                                                                                                                      | 0-2000 ft.....                           | 225  |
| 11028406                                                | Top, front section, round corner.....       | 225         | R2000621                                                                                                                      | 2001-5000 ft.....                        | 225  |
| 11028501                                                | Top, rear section, round corner.....        | 50-75       | R2000622                                                                                                                      | 5001-10,000 ft.....                      | 225  |
| 11028503                                                | Top, rear section, round corner.....        | 100-125     | <b>FLUE OUTLET CONVERSION</b> - Eliminates "flapper" damper in transition, includes transition, air orifice plate and sealant |                                          |      |
| 11028505                                                | Top, rear section, round corner.....        | 160         | <b>0-5000 ft.</b>                                                                                                             |                                          |      |
| 11028506                                                | Top, rear section, round corner.....        | 225         | R0394901                                                                                                                      | Flue outlet replacement kit, Nat/LP..... | 50   |
| 11047601                                                | Top, piping section, round corner.....      | 50 & 100    | R0394902                                                                                                                      | Flue outlet replacement kit, Nat/LP..... | 75   |
| 11047602                                                | Top, piping section, round corner.....      | 75, 125-225 | R0394903                                                                                                                      | Flue outlet replacement kit, Nat/LP..... | 100  |
| 20400701                                                | Base weldment.....                          | 50          | R0394904                                                                                                                      | Flue outlet replacement kit, Nat.....    | 125  |
| 20400702                                                | Base weldment.....                          | 75          | R0394905                                                                                                                      | Flue outlet replacement kit, LP.....     | 125  |
| 20400703                                                | Base weldment.....                          | 100         | R0394906                                                                                                                      | Flue outlet replacement kit, Nat.....    | 160  |
| 20400704                                                | Base weldment.....                          | 125         | R0394907                                                                                                                      | Flue outlet replacement kit, LP.....     | 160  |
| 20400705                                                | Base weldment.....                          | 160         | R0394908                                                                                                                      | Flue outlet replacement kit, Nat.....    | 225  |
| 20400706                                                | Base weldment.....                          | 225         | R0394909                                                                                                                      | Flue outlet replacement kit, LP.....     | 225  |
| 20403301                                                | Burner cover.....                           | 50          | <b>5001-10,000 ft.</b>                                                                                                        |                                          |      |
| 20403302                                                | Burner cover.....                           | 75          | R0394910                                                                                                                      | Flue outlet replacement kit, Nat.....    | 50   |
| 20403303                                                | Burner cover.....                           | 100         | R0394911                                                                                                                      | Flue outlet replacement kit, LP.....     | 50   |
| 20403304                                                | Burner cover.....                           | 125         | R0394912                                                                                                                      | Flue outlet replacement kit, Nat.....    | 75   |
| 20403305                                                | Burner cover.....                           | 160         | R0394913                                                                                                                      | Flue outlet replacement kit, LP.....     | 75   |
| 20403306                                                | Burner cover.....                           | 225         | R0394914                                                                                                                      | Flue outlet replacement kit, Nat.....    | 100  |
| 11045901                                                | Control panel cover.....                    | all         | R0394915                                                                                                                      | Flue outlet replacement kit, LP.....     | 100  |
| <b>FUEL CONVERSIONS</b>                                 |                                             |             | R0394916                                                                                                                      | Flue outlet replacement kit, Nat.....    | 125  |
| Note: For converting boilers fuels at the same altitude |                                             |             | R0394917                                                                                                                      | Flue outlet replacement kit, LP.....     | 125  |
| <b>JVH NATURAL GAS TO PROPANE</b>                       |                                             |             | R0394918                                                                                                                      | Flue outlet replacement kit, Nat/LP..... | 160  |
| R2000501                                                | 0-5000 ft.....                              | 50          | R0394919                                                                                                                      | Flue outlet replacement kit, Nat.....    | 225  |
| R2000502                                                | 5001-8000 ft.....                           | 50          | R0394920                                                                                                                      | Flue outlet replacement kit, LP.....     | 225  |
| R2000503                                                | 8001-10,000 ft.....                         | 50          | <b>ACCESSORIES</b>                                                                                                            |                                          |      |
| R2000504                                                | 0-5000 ft.....                              | 75          | D2000401                                                                                                                      | Vent terminal, 6".....                   | all  |
| R2000505                                                | 5001-8000 ft.....                           | 75          | D2004300                                                                                                                      | Vent terminal, 4".....                   | all  |
| R2000506                                                | 8001-10,000 ft.....                         | 75          |                                                                                                                               |                                          |      |

# Mini-Combo Models MCS, MCT & MCH

Sizes 50,000 - 125,000 BTU/h

| Part No.                                                                                                                | Description                                       | Model    | Part No.                 | Description                                 | Model    |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------|--------------------------|---------------------------------------------|----------|
| <p><i>These parts are unique to Mini-Combo units</i><br/> <i>Other parts can be found in the MiniTherm listings</i></p> |                                                   |          |                          |                                             |          |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>                                                                                  |                                                   |          |                          |                                             |          |
| R2006600                                                                                                                | Temperature control sensor probe.....             | all      | P0029400                 | Tee, 1" x 1" x 3/4" black.....              | MCH      |
| <b>WATERWAY COMPONENTS</b>                                                                                              |                                                   |          | P2014800                 | Fitting, 7/8O.D. x 3/4" NPT.....            | all      |
| 1-070                                                                                                                   | Tubing, copper, 7/8" O.D. (sold by the foot)..... | all      | P2015400                 | Tee, black, 1 1/4" x 1 1/4" x 3/4" NPT..... | MCS, MCT |
| 11-088                                                                                                                  | Elbow, street, NPT.....                           | all      | P2016900                 | Elbow, black 90°, 3/4" x 1" NPT.....        | all      |
| A0066500                                                                                                                | Pump, 1/25 hp.....                                | all      | P2019200                 | Cross, black, 1 1/4" NPT.....               | MCH      |
| A2085400                                                                                                                | Relief valve.....                                 | all      | <b>JACKET COMPONENTS</b> |                                             |          |
| A2085600                                                                                                                | Check valve, 3/4" NPT.....                        | all      | 20084000                 | Mounting bracket.....                       | MCS, MCT |
| A2085700                                                                                                                | Drain valve, tank.....                            | all      | 20085400                 | Tank support bracket.....                   | MCH      |
| A2085900                                                                                                                | Immersion well.....                               | MCH      | 20085600                 | Top panel assembly.....                     | all      |
| A2086600                                                                                                                | Check valve, 1 1/4" NPT.....                      | all      | 20085700                 | Base panel assembly.....                    | all      |
| A2086700                                                                                                                | Flange, 3" NPT.....                               | all      | 20085900                 | Rear panel.....                             | all      |
| P0008300                                                                                                                | Elbow, black 90°, 3/4" NPT.....                   | all      | 20086300                 | Door panel assembly.....                    | all      |
| P0014100                                                                                                                | Nipple, 3/4" x close.....                         | all      | 20086400                 | Right side panel.....                       | all      |
| P0014400                                                                                                                | Nipple, black.....                                | MCH      | 20086500                 | Access panel.....                           | all      |
| P0014500                                                                                                                | Nipple, black, 3/4" NPT x 3".....                 | MCS, MCT | 20087300                 | Door latch assembly.....                    | all      |
| P0015100                                                                                                                | Nipple, 1 1/4" x close.....                       | all      | 20127900                 | Left side panel.....                        | all      |
| P0025300                                                                                                                | Nipple, brass, 3/4"NPT x 2".....                  | all      | A2087600                 | Door handle.....                            | all      |

## Laars-Stor

Models LS-SW, LS-DW and LS-RTV

| Part No.     | Description & Model         | Size    | Part No.                                  | Description & Model               | Size   |
|--------------|-----------------------------|---------|-------------------------------------------|-----------------------------------|--------|
| 243-44416-00 | Aquastat SW & RTV.....      | all     | 224-38508-08                              | Anode (aluminum) RTV              |        |
| 233-43315-00 | Aquastat well SW & RTV..... | all     |                                           | S/N JG16892040 & after.....       | 40-75  |
| 265-42351-02 | Drain valve SW & DW.....    | all     | 224-48138-00                              | Anode (magnesium) RTV.....        | 120    |
| 227-49556-02 | Drain valve RTV.....        | all     | 224-49559-04*                             | Anode (A420).....                 | all    |
| 230-40594-02 | T&P relief valve SW.....    | 30-120L | * A420 anode may need to be cut to length |                                   |        |
| 230-33630-04 | T&P relief valve SW.....    | 65-120C | 229-51230-02                              | Cold water inlet dip tube SW..... | 30     |
| 230-40594-02 | T&P relief valve DW.....    | all     | 229-51230-03                              | Cold water inlet dip tube SW..... | 40     |
| 230-40594-02 | T&P relief valve RTV.....   | 40      | 229-51230-06                              | Cold water inlet dip tube SW..... | 50     |
| 230-32920-01 | T&P relief valve RTV.....   | 52-75   | 229-51230-10                              | Cold water inlet dip tube SW..... | 65-80L |
| 230-32920-04 | T&P relief valve RTV.....   | 120     | 229-43632-04                              | Cold water inlet dip tube SW..... | 120    |
| 224-38508-07 | Anode (aluminum) SW.....    | 30-50   | 229-43632-01                              | Cold water inlet dip tube SW..... | 65-80C |
| 224-38508-07 | Anode (aluminum) SW.....    | 65-120  | 229-51230-16                              | Cold water inlet dip tube DW..... | 40     |
| 224-38508-07 | Anode (aluminum) DW.....    | 40-80   | 229-51230-06                              | Cold water inlet dip tube DW..... | 50     |
|              |                             |         | 229-51230-13                              | Cold water inlet dip tube DW..... | 65-80  |

# Mark II Models H, HW & HP

Sizes 60,000 - 130,000 BTU/h

| Part No.                                                     | Description                                       | Size | Part No. | Description | Size |
|--------------------------------------------------------------|---------------------------------------------------|------|----------|-------------|------|
| <b>GAS / AIR COMPONENTS</b>                                  |                                                   |      |          |             |      |
| 1-036                                                        | Coil gasket.....                                  | all  |          |             |      |
| 1-448                                                        | Plastic tee.....                                  | all  |          |             |      |
| 2400-001                                                     | Blower gaskets (box of 20).....                   | all  |          |             |      |
| 2400-002                                                     | Blower with gaskets.....                          | all  |          |             |      |
| 2400-003                                                     | Plastic impeller fan, for blower.....             | all  |          |             |      |
| 2400-014                                                     | Gas valve, negative pressure.....                 | all  |          |             |      |
| 2400-026                                                     | Gas balance line.....                             | all  |          |             |      |
| 2400-028                                                     | Bleed line (petcock & tube assy).....             | all  |          |             |      |
| 2400-040                                                     | Flameholder (burner) with gaskets.....            | all  |          |             |      |
| 2400-042                                                     | Ignitor gaskets (box of 10).....                  | all  |          |             |      |
| 2400-046                                                     | Ignitor with gasket.....                          | all  |          |             |      |
| 2400-052                                                     | Insulation for comb chamber coil (top             | all  |          |             |      |
| 2400-320                                                     | Gasket kit.....                                   | all  |          |             |      |
| <b>ORIFICE KITS - For units after serial number x88-4500</b> |                                                   |      |          |             |      |
| 2400-118                                                     | Orifice kit, natural.....                         | 130  |          |             |      |
| 2400-120                                                     | Orifice kit, propane.....                         | 130  |          |             |      |
| 2400-122                                                     | Orifice kit, natural.....                         | 100  |          |             |      |
| 2400-124                                                     | Orifice kit, propane.....                         | 100  |          |             |      |
| 2400-126                                                     | Orifice kit, natural.....                         | 60   |          |             |      |
| 2400-128                                                     | Orifice kit, propane.....                         | 60   |          |             |      |
| <b>ELECTRICAL / CONTROL COMPONENTS</b>                       |                                                   |      |          |             |      |
| 2400-006                                                     | Transformer, 40 VA                                | all  |          |             |      |
| 2400-008                                                     | R-1 relay, 8 terminals (before x91-1319).....     | all  |          |             |      |
| 2400-010                                                     | R-2 / R-3 relay, 4 terms (x91-1319 & after).....  | all  |          |             |      |
| 2400-012                                                     | Control board (before s/n x91-1319).....          | all  |          |             |      |
| 2400-016                                                     | Low limit switch, strap-on (pre-M2).....          | all  |          |             |      |
| 2400-018                                                     | Op ctrl, strap-on (x84-001-x91-1318).....         | all  |          |             |      |
| 2400-020                                                     | Thermal cut out (TCO) x84-001 - x91-1318.....     | all  |          |             |      |
| 2400-024                                                     | Safety high limit, 240°F (for high altitude)..... | all  |          |             |      |
| 2400-056                                                     | Op ctrl 200°F, HW M2 (x91-1319 and after).....    | all  |          |             |      |
| 2400-057                                                     | Operating control 185°F, H(P) M2.....             | all  |          |             |      |
| 2400-062                                                     | Time delay relay for H & HP M2.....               | all  |          |             |      |
| 2400-106                                                     | Pressure diff switch (after s/n x94-905).....     | all  |          |             |      |
| 2400-110                                                     | Stack sw, blower prove (after x84-001).....       | all  |          |             |      |
| 2400-224                                                     | Control board for M2 (x91-1319 & after).....      | all  |          |             |      |
| 2400-226                                                     | Low limit, strap-on, HW M2.....                   | all  |          |             |      |
| 2400-228                                                     | Press sw for M2, round (x91-1319 & after).....    | all  |          |             |      |
| <b>WATERWAY / HEAT EXCHANGER COMPONENTS</b>                  |                                                   |      |          |             |      |
| 2400-032                                                     | Comb chamber coil assy before x91-1319.....       | all  |          |             |      |
| 2400-004                                                     | Circulator w/ diff press switch, w/ gaskets.....  | all  |          |             |      |
| 2400-005                                                     | Circulator with gaskets.....                      | all  |          |             |      |
| 2400-029                                                     | Thermostat and o-ring for 1¼" union.....          | all  |          |             |      |
| 2400-036                                                     | DHW coil (single wall) with gasket.....           | all  |          |             |      |
| 2400-112                                                     | Pressure relief valve, 30 psi, ASME.....          | all  |          |             |      |
| 2400-114                                                     | Gauge, pressure/temp, back mount.....             | all  |          |             |      |
| 2400-236                                                     | High vent, float type.....                        | all  |          |             |      |

# List Prices. All Products.

| Part No. | List Price | Part No. | List Price | Part No. | List Price | Part No. | List Price |
|----------|------------|----------|------------|----------|------------|----------|------------|
| <b>0</b> |            | 10494105 | 88.00      | 12H3005  | 137.75     | 15X5004  | 37.26      |
| 05P2100  | 2,169.00   | 10494106 | 92.75      | 12H3006  | 3.00       | 15X6001  | 97.72      |
| 05P7400  | 451.75     | 10500601 | 78.00      | 12H3007  | 20.00      | 17P2100  | 3,429.00   |
| 07P2100  | 2,421.00   | 10500602 | 105.75     | 12H3008  | 18.75      | 17P7400  | 451.75     |
| <b>1</b> |            | 10500603 | 107.75     | 12H3009  | 9.00       | <b>2</b> |            |
| 1-036    | 7.75       | 10500604 | 107.75     | 12H3010  | 17.00      | 2C1000   | 303.50     |
| 1-054    | 34.43      | 10535900 | 52.25      | 12H3011  | 76.00      | 2C2001   | 73.25      |
| 1-070    | 16.75      | 10562300 | 38.00      | 12H3012  | 6.75       | 2C2002   | 39.50      |
| 1-448    | 3.50       | 10582200 | 126.50     | 12H3015  | 65.00      | 2C2006   | 80.00      |
| 1-579    | 19.25      | 10582201 | 135.50     | 12H3016  | 17.00      | 2C2008   | 54.75      |
| 1-580    | 19.75      | 10582202 | 126.50     | 12H3017  | 28.00      | 2C2009   | 24.25      |
| 10-103   | 1.00       | 10582203 | 135.50     | 12H3018  | 69.50      | 2C2015   | 39.25      |
| 10-332   | 12.50      | 10582204 | 126.50     | 12H3019  | 69.50      | 2C2016   | 39.25      |
| 10-596   | 3.25       | 10582205 | 135.50     | 12H3020  | 35.00      | 2C2017   | 10.75      |
| 10P2100  | 2,660.00   | 10582206 | 135.50     | 12H3023  | 4.50       | 2C2018   | 2.00       |
| 10X1000  | 328.2      | 10582207 | 135.50     | 12H3025  | 677.25     | 2C2018   | 2.00       |
| 10X2000  | 2014.87    | 10582208 | 135.50     | 12H3033  | 391.50     | 2C2019   | 23.25      |
| 10X2012  | 34.01      | 11-088   | 12.00      | 12H4001  | 395.25     | 2C2023   | 98.75      |
| 10X2020  | 17.59      | 11019401 | 47.50      | 12H4004  | 273.00     | 2C2100   | 76.25      |
| 10X3007  | 66.67      | 11019402 | 47.50      | 12H4006  | 59.25      | 2C2201   | 72.00      |
| 10X3030  | 170.16     | 11019403 | 51.00      | 12H4008  | 92.75      | 2C2300   | 119.00     |
| 10X3031  | 40.41      | 11019404 | 50.75      | 12H4010  | 43.00      | 2C2500   | 147.50     |
| 10X3037  | 45.35      | 11019405 | 56.25      | 12H4011  | 114.25     | 2C2601   | 72.00      |
| 10X3038  | 37.2       | 11019406 | 63.25      | 12H4012  | 56.00      | 2C3010   | 32.25      |
| 10X5004  | 36.47      | 11020101 | 187.50     | 12H4019  | 16.25      | 2C3014   | 47.00      |
| 10X6001  | 60.6       | 11020102 | 189.75     | 12H4022  | 1.25       | 2C3015   | 31.00      |
| 10338600 | 18.75      | 11020103 | 201.25     | 12H5002  | 10.00      | 2C3016   | 70.25      |
| 10449514 | 16.25      | 11020104 | 210.75     | 12H5500  | 102.50     | 2C3021   | 128.25     |
| 10449515 | 18.00      | 11020105 | 218.50     | 12H5501  | 4.25       | 2C3220   | 149.25     |
| 10449516 | 20.50      | 11020106 | 236.75     | 12H7001  | 121.75     | 2C3420   | 126.75     |
| 10466701 | 196.25     | 11020201 | 48.50      | 12H7002  | 121.75     | 2C3520   | 126.75     |
| 10466702 | 206.25     | 11020203 | 51.75      | 12H7003  | 121.75     | 2C3620   | 69.00      |
| 10466703 | 217.75     | 11020205 | 71.25      | 12H7004  | 28.00      | 2C3621   | 53.75      |
| 10466704 | 234.50     | 11020206 | 71.25      | 12H7005  | 7.25       | 2C3622   | 69.00      |
| 10467101 | 270.75     | 11027901 | 184.25     | 12H7008  | 11.25      | 2C3623   | 68.75      |
| 10467102 | 278.50     | 11027903 | 192.50     | 12H7010  | 238.50     | 2C3700   | 67.00      |
| 10467103 | 313.75     | 11027905 | 200.50     | 12P2065  | 9.00       | 2C3800   | 261.50     |
| 10467104 | 314.50     | 11027906 | 212.75     | 12P2100  | 2,939.00   | 2C4001   | 43.50      |
| 10467105 | 329.75     | 11028301 | 55.00      | 12P3004  | 87.75      | 2C4002   | 15.25      |
| 10467106 | 342.25     | 11028303 | 59.75      | 12P3005  | 229.75     | 2C4103   | 100.00     |
| 10469501 | 7.25       | 11028305 | 64.75      | 12P3006  | 132.25     | 2C4122   | 345.25     |
| 10469502 | 7.75       | 11028306 | 74.50      | 12P7015  | 87.50      | 2C5000   | 113.50     |
| 10469503 | 8.00       | 11028401 | 80.00      | 12P7400  | 470.50     | 2C7002   | 23.75      |
| 10469504 | 8.25       | 11028402 | 80.00      | 12X1000  | 341.18     | 2C7003   | 37.00      |
| 10469505 | 8.75       | 11028403 | 85.00      | 12X2000  | 2082.95    | 2C7004   | 9.50       |
| 10469506 | 9.75       | 11028404 | 85.00      | 12X2012  | 34.21      | 2C7005   | 10.00      |
| 10470101 | 15.00      | 11028405 | 91.25      | 12X2020  | 18.03      | 2F3000   | 1111.00    |
| 10470102 | 14.50      | 11028406 | 100.50     | 12X3007  | 69.81      | 2F3019   | 46.25      |
| 10470301 | 149.00     | 11028501 | 50.50      | 12X3030  | 175.55     | 2F3020   | 1235.00    |
| 10470302 | 151.75     | 11028503 | 52.50      | 12X3031  | 41.16      | 2F4122   | 302.75     |
| 10470303 | 152.75     | 11028505 | 56.50      | 12X3037  | 47.91      | 2F7001   | 58.00      |
| 10470304 | 163.25     | 11028506 | 62.75      | 12X3038  | 39.79      | 2F7002   | 54.25      |
| 10470305 | 166.75     | 11045801 | 49.75      | 12X5004  | 36.86      | 20X1000  | 381.97     |
| 10470306 | 168.75     | 11045802 | 50.00      | 12X6001  | 72.67      | 20X2000  | 2476.98    |
| 10472500 | 16.75      | 11045901 | 32.00      | 15P2100  | 3,219.00   | 20X2012  | 34.85      |
| 10472600 | 26.00      | 11047601 | 27.00      | 15X1000  | 354.15     | 20X2020  | 19.34      |
| 10484606 | 57.75      | 11047602 | 25.00      | 15X2000  | 2307.97    | 20X3007  | 79.19      |
| 10485301 | 7.75       | 11047603 | 27.00      | 15X2012  | 34.43      | 20X3030  | 190.76     |
| 10485302 | 8.00       | 11047604 | 26.50      | 15X2020  | 18.47      | 20X3037  | 55.66      |
| 10485303 | 8.25       | 11047606 | 25.25      | 15X3007  | 72.94      | 20X3038  | 47.56      |
| 10485304 | 8.25       | 12H2500  | 24.25      | 15X3030  | 178.18     | 20X5004  | 38.05      |
| 10485305 | 8.50       | 12H3001  | 199.75     | 15X3031  | 41.9       | 20X6001  | 114.57     |
| 10485306 | 9.00       | 12H3003  | 391.50     | 15X3037  | 50.48      | 20020500 | 1,674.00   |
|          |            | 12H3004  | 677.25     | 15X3038  | 42.38      | 20020601 | 1,812.00   |

| Part No. | List Price | Part No.     | List Price | Part No. | List Price | Part No.     | List Price |
|----------|------------|--------------|------------|----------|------------|--------------|------------|
| 20020602 | 1,869.00   | 20403006     | 270.25     | 2400-026 | 50.25      | 2400-441     | 266.00     |
| 20034801 | 272.50     | 20403301     | 43.25      | 2400-028 | 83.75      | 2400-442     | 203.25     |
| 20034802 | 276.00     | 20403302     | 43.25      | 2400-029 | 58.25      | 2400-443     | 221.00     |
| 20034803 | 288.50     | 20403303     | 46.50      | 2400-032 | 2,499.00   | 2400-444     | 221.00     |
| 20034804 | 299.50     | 20403304     | 46.50      | 2400-036 | 876.00     | 2400-445     | 79.00      |
| 20034805 | 307.25     | 20403305     | 51.00      | 2400-040 | 153.50     | 2400-446     | 67.00      |
| 20034806 | 327.25     | 20403306     | 57.75      | 2400-042 | 42.00      | 2400-448     | 105.75     |
| 20034901 | 68.75      | 20403901     | 165.50     | 2400-046 | 97.25      | 2400-450     | 182.75     |
| 20034902 | 71.00      | 20403902     | 168.25     | 2400-049 | 182.75     | 2400-451     | 236.50     |
| 20034903 | 74.75      | 20403903     | 169.00     | 2400-052 | 87.50      | 2400-452     | 180.00     |
| 20034904 | 77.00      | 20403904     | 169.75     | 2400-056 | 55.00      | 2400-506     | 208.50     |
| 20034905 | 78.50      | 20403905     | 171.50     | 2400-057 | 92.00      | 2400-508     | 46.00      |
| 20034906 | 106.75     | 20403906     | 181.25     | 2400-062 | 76.50      | 2400-510     | 2,229.00   |
| 20052601 | 276.00     | 20404602     | 4.50       | 2400-106 | 354.50     | 2400-512     | 2,600.00   |
| 20052602 | 276.00     | 20404603     | 4.50       | 2400-110 | 96.25      | 2400-514     | 50.25      |
| 20052603 | 373.25     | 20404604     | 4.50       | 2400-112 | 57.25      | 2400-516     | 292.00     |
| 20052604 | 427.25     | 20404605     | 4.50       | 2400-114 | 74.75      | 2400-518     | 296.25     |
| 20069101 | 102.25     | 20404606     | 4.50       | 2400-118 | 61.25      | 2400-520     | 1,024.25   |
| 20069102 | 102.25     | 20404607     | 4.50       | 2400-120 | 62.00      | 2400-522     | 86.25      |
| 20069105 | 112.25     | 20404608     | 4.50       | 2400-122 | 61.25      | 2400-524     | 682.50     |
| 20069106 | 118.25     | 20404609     | 4.50       | 2400-124 | 62.00      | 2400-526     | 205.25     |
| 20071500 | 35.41      | 20404610     | 4.50       | 2400-126 | 61.25      | 2400-528     | 12.50      |
| 20084000 | 38.00      | 20404611     | 4.50       | 2400-128 | 62.00      | 2400-530     | 19.00      |
| 20085400 | 13.25      | 20404612     | 4.50       | 2400-141 | 110.25     | 2400-538     | 297.75     |
| 20085600 | 299.50     | 20404613     | 4.50       | 2400-142 | 212.00     | 2400-539     | 208.25     |
| 20085700 | 362.50     | 20404614     | 4.50       | 2400-145 | 97.50      | 2400-540     | 62.50      |
| 20085900 | 85.50      | 20404615     | 4.50       | 2400-146 | 84.50      | 2400-548     | 314.50     |
| 20086300 | 223.50     | 20404616     | 4.50       | 2400-152 | 759.75     | 2400-550     | 120.50     |
| 20086400 | 143.25     | 224-38508-07 | 59.75      | 2400-153 | 697.50     | 2400-552     | 154.00     |
| 20086500 | 48.25      | 224-38508-08 | 48.00      | 2400-224 | 480.25     | 2400-556     | 140.25     |
| 20086800 | 77.75      | 224-48138-00 | 343.00     | 2400-226 | 99.50      | 2400-560     | 127.75     |
| 20087100 | 51.50      | 224-49559-04 | 98.00      | 2400-228 | 81.50      | 2400-562     | 160.25     |
| 20087300 | 10.50      | 227-48070-01 | 13.75      | 2400-236 | 54.25      | 2400-566     | 62.25      |
| 20099801 | 42.25      | 227-49556-02 | 74.50      | 2400-277 | 122.25     | 2400-568     | 79.00      |
| 20099802 | 42.25      | 229-43632-01 | 62.25      | 2400-280 | 61.50      | 2400-570     | 471.00     |
| 20099803 | 47.50      | 229-43632-04 | 60.50      | 2400-281 | 21.25      | 2400-572     | 61.00      |
| 20099804 | 47.50      | 229-51230-02 | 59.75      | 2400-320 | 45.25      | 2400-574     | 129.50     |
| 20099805 | 71.25      | 229-51230-03 | 59.75      | 2400-370 | 431.75     | 2400-586     | 1,214.00   |
| 20099806 | 71.25      | 229-51230-06 | 59.75      | 2400-386 | 729.00     | 2400-590     | 107.00     |
| 20127900 | 188.50     | 229-51230-10 | 59.75      | 2400-388 | 935.50     | 2400-592     | 330.25     |
| 20129300 | 8.25       | 229-51230-13 | 59.75      | 2400-392 | 51.75      | 2400-593     | 2,630.00   |
| 20400701 | 283.50     | 229-51230-16 | 59.75      | 2400-407 | 170.75     | 2400-594     | 2,600.00   |
| 20400702 | 283.50     | 22P2100      | 3,702.00   | 2400-408 | 131.25     | 2400-650     | 1,006.75   |
| 20400703 | 291.00     | 230-32920-01 | 48.25      | 2400-409 | 107.50     | 243-44416-00 | 190.25     |
| 20400704 | 291.00     | 230-32920-04 | 65.00      | 2400-410 | 101.75     | 265-42351-02 | 18.25      |
| 20400705 | 298.25     | 230-33630-04 | 176.25     | 2400-411 | 105.00     |              |            |
| 20400706 | 309.50     | 230-40594-02 | 29.00      | 2400-412 | 227.75     |              |            |
| 20401601 | 1,045.00   | 233-43315-00 | 35.25      | 2400-413 | 105.00     | 3            |            |
| 20401602 | 1,070.00   | 239-44069-01 | 121.00     | 2400-415 | 115.50     | 3C1000       | 345.75     |
| 20401603 | 1,094.00   | 239-44069-02 | 121.00     | 2400-416 | 191.75     | 3C2001       | 117.50     |
| 20401604 | 1,112.00   | 2400-001     | 143.50     | 2400-418 | 269.25     | 3C2006       | 92.00      |
| 20401605 | 1,165.00   | 2400-002     | 739.50     | 2400-419 | 203.00     | 3C2008       | 57.50      |
| 20401606 | 1,398.00   | 2400-003     | 38.25      | 2400-420 | 241.00     | 3C2009       | 28.25      |
| 20402401 | 1,035.00   | 2400-004     | 659.50     | 2400-421 | 269.25     | 3C2017       | 15.25      |
| 20402402 | 1,065.00   | 2400-005     | 318.50     | 2400-422 | 218.50     | 3C2019       | 25.50      |
| 20402403 | 1,095.00   | 2400-006     | 90.00      | 2400-423 | 183.25     | 3C2023       | 110.75     |
| 20402404 | 1,118.00   | 2400-008     | 74.00      | 2400-424 | 340.00     | 3C2100       | 76.75      |
| 20402405 | 1,182.00   | 2400-010     | 150.00     | 2400-425 | 290.25     | 3C3021       | 142.00     |
| 20402406 | 1,262.00   | 2400-012     | 290.25     | 2400-426 | 59.75      | 3C3220       | 156.50     |
| 20403001 | 218.25     | 2400-014     | 354.00     | 2400-428 | 577.25     | 3C3702       | 43.50      |
| 20403002 | 220.25     | 2400-016     | 99.50      | 2400-433 | 232.75     | 3C7002       | 29.75      |
| 20403003 | 227.50     | 2400-018     | 69.00      | 2400-435 | 241.25     | 3F3000       | 1139.00    |
| 20403004 | 229.75     | 2400-020     | 120.00     | 2400-437 | 18.25      | 3F3019       | 49.50      |
| 20403005 | 255.00     | 2400-024     | 113.75     | 2400-438 | 107.50     | 3F3020       | 1282.00    |
|          |            |              |            |          |            | 30-103       | 8.50       |

| Part No. | List Price | Part No. | List Price | Part No.  | List Price | Part No. | List Price |
|----------|------------|----------|------------|-----------|------------|----------|------------|
| 30-119   | 1.25       | 5X6001   | 35.15      | CA019501  | 1408       | E0099100 | 39.25      |
| 30-188   | 1.25       |          |            | CA019502  | 1408       | E0099101 | 29.00      |
| 30-192   | 12.50      | <b>7</b> |            | CA019600  | 546        | E0101800 | 15.25      |
| 30-205   | 5.25       | 7X1000   | 313.36     | CA019901  | 74         | E0102000 | 2.75       |
| 30-251   | 25.75      | 7X2000   | 1946.8     | CA019902  | 74         | E0180500 | 100.00     |
| 30-253   | 13.75      | 7X2012   | 33.79      | CA019903  | 74         | E0234201 | 95.25      |
| 30-310   | 149.00     | 7X2020   | 17.15      | CA019904  | 74         | E0253100 | 254.50     |
| 30-616   | 12.50      | 7X3007   | 63.55      | CA019905  | 82         | E0253400 | 158.75     |
| 30-677   | 15.00      | 7X3030   | 166.18     | CA019906  | 82         | E0253900 | 62.50      |
| 30-678   | 29.25      | 7X3031   | 39.67      | CA019907  | 82         | E2039500 | 7.75       |
| 31-325   | 43.25      | 7X3037   | 40.92      | CA019908  | 82         | E2074501 | 57.75      |
| 36-010   | 101.75     | 7X3038   | 34.4       | CA019909  | 90         | E2074502 | 57.75      |
| 36-028   | 14.50      | 7X5004   | 36.07      | CA019910  | 90         | E2074503 | 57.75      |
| 36-288   | 0.75       | 7X6001   | 56.11      | CA019911  | 90         | E2074504 | 57.75      |
| 36-640   | 95.75      |          |            | CA019912  | 90         | E2074505 | 57.75      |
| 36-641   | 47.00      | <b>8</b> |            | CA019913  | 99         | E2074506 | 57.75      |
| 36-642   | 47.00      | 8D3327   | 52.00      | CA019914  | 99         | E2102800 | 313.00     |
| 36-643   | 184.50     | 8D3328   | 49.50      | CA019915  | 99         | E2103200 | 25.00      |
|          |            | 8D3329   | 58.75      | CA019916  | 99         | E2105600 | 88.50      |
| <b>4</b> |            | 8D3330   | 57.00      | CA019917  | 108        | E2304800 | 98.00      |
| 4C1000   | 388.50     |          |            | CA019918  | 108        | E2318900 | 10.25      |
| 4C2001   | 141.50     | <b>A</b> |            | CA019919  | 108        | E2324000 | 169.75     |
| 4C2006   | 106.25     | A0063300 | 62.50      | CA019920  | 108        | E2324200 | 149.00     |
| 4C2008   | 60.75      | A0066500 | 235.75     | CA019921  | 117        | E2327500 | 48.75      |
| 4C2009   | 33.00      | A0076701 | 590.50     | CA019922  | 117        | E2327700 | 7.25       |
| 4C2017   | 19.75      | A0076805 | 1048.00    | CA019923  | 117        | E2327800 | 25.00      |
| 4C2019   | 28.50      | A0095605 | 678.50     | CA019924  | 117        | E2327900 | 3.25       |
| 4C2023   | 124.75     | A0095705 | 726.00     | CA020001  | 19         | E2334500 | 26.50      |
| 4C2100   | 77.50      | A2000400 | 61.75      | CA020002  | 19         | E2334501 | 11.75      |
| 4C3021   | 160.50     | A2085400 | 47.00      | CA020003  | 19         | E2334502 | 11.00      |
| 4C3220   | 181.00     | A2085600 | 160.25     | CA020004  | 19         | E2334900 | 30.50      |
| 4C3700   | 73.00      | A2085700 | 24.00      | CA020005  | 22         | E2335000 | 7.75       |
| 4C7002   | 37.00      | A2085900 | 55.50      | CA020006  | 22         | E2335100 | 7.75       |
| 4F3000   | 1180.00    | A2086600 | 194.50     | CA020007  | 22         | E2336500 | 24.25      |
| 4F3019   | 56.00      | A2086700 | 20.75      | CA020008  | 22         | E2337400 | 180.25     |
| 4F3020   | 1323.00    | A2087600 | 12.75      | CA020009  | 26         | E2338600 | 48.50      |
| 40-010   | 68.75      | A2088600 | 2.19       | CA020010  | 26         | E2343200 | 235.00     |
| 40-014   | 494.00     | A2108100 | 17.00      | CA020011  | 26         | E2345700 | 34.50      |
| 40-250   | 150.00     | A2112300 | 138.00     | CA020012  | 26         | E2347400 | 39.25      |
| 40-301   | 157.75     | A2117400 | 138.00     | CA020013  | 30         | E2347500 | 48.50      |
| 40-302   | 80.00      | A2117500 | 32.25      | CA020014  | 30         | E2347700 | 78.50      |
| 40-303   | 77.50      | A2117600 | 53.75      | CA020015  | 30         | E2348100 | 40.50      |
| 40-304   | 109.50     | A2117700 | 247.50     | CA020016  | 30         | E2348700 | 202.75     |
| 40-310   | 95.50      | A2120300 | 1969.00    | CA020017  | 35         | E2356800 | 148.00     |
| 40-325   | 54.75      | A2122004 | 399.00     | CA020018  | 35         | E2357000 | 25.75      |
| 40-678   | 29.50      | A2122400 | 573.50     | CA020019  | 35         | E2357200 | 40.50      |
|          |            | A2122500 | 669.00     | CA020020  | 35         | E2357300 | 2.50       |
| <b>5</b> |            | A2122600 | 535.25     | CA020021  | 43         | E2357500 | 39.00      |
| 500-168  | 1.00       | A2123605 | 71.75      | CA020022  | 43         | E2357700 | 1.25       |
| 50D7508  | 10.50      | A2123606 | 500.00     | CA020023  | 43         | E2401400 | 305.4      |
| 50D7516  | 25.00      | A2136500 | 226.8      | CA020024  | 43         | E2402100 | 6.63       |
| 5X1000   | 301.03     |          |            | CA50D7182 | 974.00     | E2402600 | 41.33      |
| 5X2000   | 1881.38    | <b>C</b> |            | CA50D7183 | 974.00     | E2402700 | 48.24      |
| 5X2012   | 33.59      | CA005400 | 75         |           |            | E2402800 | 53.24      |
| 5X2020   | 16.73      | CA005500 | 166.50     | <b>D</b>  |            | E2402900 | 27.35      |
| 5X207201 | 42.83      | CA005600 | 69.25      | D2000401  | 464.50     | E2403400 | 50.54      |
| 5X207202 | 38.35      | CA006201 | 58.00      | D2004201  | 32.75      | E2407000 | 15.4       |
| 5X3007   | 61.26      | CA006202 | 58.00      | D2004300  | 443.00     | E2407200 | 50.49      |
| 5X3030   | 161.99     | CA006203 | 58.00      |           |            |          |            |
| 5X3031   | 38.97      | CA006204 | 58.00      | <b>E</b>  |            | <b>F</b> |            |
| 5X3037   | 38.46      | CA006206 | 24.00      | E0000700  | 3.25       | F0002100 | 0.25       |
| 5X3038   | 31.95      | CA010100 | 109        | E0025902  | 21.25      | F0029300 | 0.25       |
| 5X5002   | 16.85      | CA010101 | 109        | E0088400  | 50.00      | F0034000 | 0.50       |
| 5X5004   | 35.68      | CA019400 | 187        | E0098500  | 8.25       | F0035900 | 0.25       |

| Part No. | List Price | Part No. | List Price | Part No. | List Price | Part No. | List Price |
|----------|------------|----------|------------|----------|------------|----------|------------|
| F0040800 | 0.75       | FT1116   | 159.75     | FT1618   | 12.50      | FT1836   | 4.00       |
| F0046100 | 1.75       | FT1119   | 0.50       | FT1635   | 21.75      | FT1838   | 254.25     |
| F0051400 | 0.75       | FT1120   | 12.50      | FT1638   | 18.63      | FT1846   | 15.75      |
| F2001900 | 0.50       | FT1121   | 12.50      | FT1643   | 2.50       | FT1852   | 1,360.00   |
| F2007001 | 2.75       | FT1122   | 31.25      | FT1644   | 2.50       | FT1853   | 47.25      |
| F2007002 | 2.75       | FT1200   | 714.00     | FT1645   | 3.00       | FT1854   | 23.00      |
| F2007003 | 3.00       | FT1208   | 5.00       | FT1646   | 3.00       | FT1855   | 23.00      |
| F2007004 | 2.75       | FT1215   | 38.00      | FT1661   | 5.00       | FT1856   | 23.75      |
| F2007005 | 3.00       | FT1216   | 30.50      | FT1665   | 54.75      | FT1860   | 21.00      |
| F2007006 | 3.00       | FT1217   | 5.00       | FT1669   | 10.75      | FT1861   | 9.00       |
| F2011600 | 0.25       | FT1218   | 12.25      | FT1672   | 403.75     | FT1862   | 248.50     |
| F2015500 | 0.25       | FT1219   | 18.75      | FT1685   | 2.50       | FT1863   | 248.50     |
| F2015900 | 0.25       | FT1220   | 95.75      | FT1687   | 2.50       | FT1864   | 248.50     |
| F2022300 | 16.25      | FT1222   | 415.00     | FT1691   | 3.00       | FT1865   | 11.50      |
| F2022400 | 1.00       | FT1307   | 31.25      | FT1708   | 15         | FT1866   | 11.50      |
| F2023700 | 1.00       | FT1309   | 341.50     | FT1710   | 3.00       | FT1867   | 11.50      |
| F2025000 | 0.25       | FT1310   | 21.75      | FT1720   | 12.50      | FT1868   | 78.00      |
| F2025300 | 1.00       | FT1313   | 1,477.00   | FT1721   | 6.25       | FT1876   | 76.75      |
| F2025502 | 7.25       | FT1314   | 96.75      | FT1727   | 4.00       | FT1893   | 16.50      |
| F2027000 | 1.00       | FT1315   | 50.00      | FT1730   | 11.50      | FT1894   | 5.75       |
| F2027500 | 3.00       | FT1316   | 12.50      | FT1750   | 142.25     | FT1899   | 360.50     |
| F2027600 | 2.50       | FT1321   | 87.00      | FT1758   | 1,656.00   | FT1903   | 96.50      |
| F2027700 | 2.25       | FT1322   | 57.50      | FT1759   | 331.25     | FT1904   | 95.25      |
| F2028200 | 0.50       | FT1323   | 264.00     | FT1760   | 29.50      | FT1905   | 96.50      |
| F2028300 | 5.25       | FT1324   | 21.75      | FT1763   | 50.00      | FT1906   | 92.25      |
| F2029000 | 5.00       | FT1325   | 12.50      | FT1764   | 26.25      | FT1915   | 4.77       |
| F2029300 | 1.00       | FT1327   | 25.00      | FT1765   | 148.93     | FT1916   | 322.92     |
| FT1002   | 43.50      | FT1329   | 9.50       | FT1767   | 399.25     | FT1917   | 9.75       |
| FT1010   | 43.50      | FT1405   | 261.00     | FT1768   | 57.82      | FT1918   | 6.5        |
| FT1013   | 3.25       | FT1406   | 136.75     | FT1770   | 20.00      | FT1919   | 6.25       |
| FT1015   | 50.00      | FT1407   | 265.00     | FT1771   | 3.25       | FT1921   | 3.25       |
| FT1019   | 124.25     | FT1409   | 37.50      | FT1772   | 4.00       | FT1922   | 6.50       |
| FT1020   | 12.50      | FT1412N  | 25.00      | FT1773   | 17.25      | FT1923   | 74.47      |
| FT1021   | 12.50      | FT1412P  | 25.00      | FT1774   | 5.75       | FT1924   | 3.25       |
| FT1022   | 25.00      | FT1413   | 261.00     | FT1775   | 199.00     | FT1927   | 50.12      |
| FT1024   | 18.75      | FT1415   | 6.50       | FT1777   | 6.50       | FT1928   | 33.42      |
| FT1025   | 62.25      | FT1416   | 152.75     | FT1779   | 6.50       | FT1936   | 6.5        |
| FT1049   | 10.00      | FT1419   | 183.00     | FT1780   | 25.00      | FT1937   | 851.75     |
| FT1050   | 2.75       | FT1500   | 347.75     | FT1783   | 211.50     | FT1938   | 655.25     |
| FT1051   | 8.00       | FT1501   | 68.50      | FT1784   | 40.50      | FT1939   | 3.25       |
| FT1052   | 360.50     | FT1504   | 35.00      | FT1793   | 15.00      | FT1946   | 23.75      |
| FT1053   | 124.25     | FT1506   | 18.75      | FT1794   | 256.00     | FT1947   | 23.75      |
| FT1054   | 83.25      | FT1508   | 12         | FT1795   | 7.75       | FT1948   | 23.75      |
| FT1055   | 5.75       | FT1513   | 7.50       | FT1796   | 322.00     | FT1949   | 89.11      |
| FT1057   | 5.75       | FT1515   | 7.50       | FT1797   | 6.50       | FT1950   | 255.84     |
| FT1058   | 62.25      | FT1516   | 7.50       | FT1798   | 425.50     | FT1992   | 1,592.00   |
| FT1060   | 3.00       | FT1518   | 22.00      | FT1799   | 305.25     | FT2000   | 31.50      |
| FT1067   | 34.00      | FT1522   | 19.09      | FT1802   | 25.00      | FT2002   | 30.75      |
| FT1068   | 1,677.00   | FT1523   | 3.00       | FT1804   | 22.75      | FT2004   | 330.25     |
| FT1069   | 11.00      | FT1524   | 0.7        | FT1805   | 19.86      | FT2005   | 106.25     |
| FT1070   | 135.1      | FT1527   | 26.25      | FT1806   | 19.86      | FT2006   | 336.25     |
| FT1071   | 104.25     | FT1528   | 3.25       | FT1807   | 19.75      | FT2007   | 8.25       |
| FT1072   | 54.50      | FT1529   | 12.00      | FT1808   | 26.25      | FT2008   | 55.00      |
| FT1073   | 217.50     | FT1530   | 9.75       | FT1809   | 73.00      | FT2009   | 6.50       |
| FT1082   | 11.50      | FT1535   | 15.75      | FT1810   | 19.75      | FT2010   | 59.00      |
| FT1086   | 14.5       | FT1538   | 5.25       | FT1811   | 19.75      | FT2012   | 23.00      |
| FT1100   | 838.25     | FT1539   | 6.50       | FT1812   | 24.75      | FT2013   | 1,401.25   |
| FT1107   | 5.00       | FT1548   | 17.75      | FT1813   | 3.25       | FT2014   | 92.72      |
| FT1108   | 5.00       | FT1549   | 85.50      | FT1821   | 15.25      | FT2015   | 159.84     |
| FT1109   | 10.50      | FT1601   | 2.50       | FT1822   | 18.25      | FT2016   | 18.75      |
| FT1111   | 10.50      | FT1603   | 3.09       | FT1823   | 57.00      | FT2017   | 1.75       |
| FT1112   | 18.75      | FT1604   | 3.00       | FT1824   | 11.00      | FT2018   | 17         |
| FT1114   | 10.50      | FT1606   | 10.00      | FT1826   | 55.25      | FT2019   | 9.25       |
| FT1115   | 105.75     | FT1609   | 3.21       | FT1827   | 10.50      | FT2020   | 2          |

| Part No. | List Price | Part No. | List Price | Part No. | List Price | Part No.  | List Price |
|----------|------------|----------|------------|----------|------------|-----------|------------|
| FT2021   | 625.32     | FT3001   | 150        | P2067603 | 15.25      | R10907700 | 200.75     |
| FT2022   | 8.5        | FT3002   | 557        | P2074500 | 19.25      | R10907701 | 200.75     |
| FT2026   | 26.5       | FT3003   | 521        | P2074600 | 50.00      | R10907702 | 206.50     |
| FT2029   | 18.75      | FT3004   | 705        | P2093100 | 14.00      | R10956000 | 49.50      |
| FT2031   | 48.5       | FT3006   | 628        | P2142900 | 20.79      | R10D3005  | 56.25      |
| FT2032   | 1.75       | FT3007   | 474        | P2143000 | 0.76       | R10X2013  | 228.00     |
| FT2033   | 5.5        | FT3010   | 47         |          |            | R10X3032  | 89.41      |
| FT2034   | 65.5       |          |            | Q        |            | R12H7009  | 39.37      |
| FT2036   | 2.75       | L        |            | Q0068400 | 3.75       | R12H7060  | 812.00     |
| FT2037   | 1493.75    | L0032200 | 3.25       | Q2016900 | 30.00      | R12H7061  | 812.00     |
| FT2038   | 42.92      | L0032600 | 3.25       |          |            | R12X2013  | 236.00     |
| FT2040   | 18.75      | L0032700 | 3.25       | R        |            | R12X3032  | 100.93     |
| FT2041   | 31.75      | L0032800 | 3.25       | R0021300 | 59.25      | R1-581    | 29.75      |
| FT2043   | 11.5       | L0032900 | 3.25       | R0050801 | 62.50      | R1-592    | 17.25      |
| FT2044   | 8.5        | L0039000 | 3.09       | R0059100 | 249.25     | R15D1002  | 121.00     |
| FT2050   | 153.75     | L0050300 | 3.25       | R0060600 | 79.50      | R15D1004  | 55.00      |
| FT2053   | 181.25     | L0050400 | 3.25       | R0061300 | 116.75     | R15D1100  | 232.50     |
| FT2064   | 25.5       | L0050700 | 3.25       | R0061400 | 77.25      | R15D3001  | 214.25     |
| FT2065   | 3.25       | L0052500 | 21.00      | R0061600 | 75.00      | R15D3002  | 214.25     |
| FT2066   | 106.75     | L0052601 | 47.50      | R0384700 | 750.00     | R15D3102  | 54.75      |
| FT2067   | 1508.75    | L0052602 | 47.50      | R0384800 | 750.00     | R15D3303  | 91.00      |
| FT2068   | 6.75       | L0052603 | 47.50      | R0385000 | 232.25     | R15X2013  | 244.25     |
| FT2069   | 851.75     | L0052604 | 59.50      | R0385100 | 255.25     | R15X3032  | 107.54     |
| FT2070   | 20.25      | L0052605 | 59.50      | R0394901 | 80.75      | R2000101  | 117.75     |
| FT2071   | 55.75      | L0052606 | 59.50      | R0394902 | 80.75      | R2000102  | 117.75     |
| FT2072   | 27.5       | L0055900 | 4.50       | R0394903 | 80.75      | R2000103  | 114.50     |
| FT2073   | 599.5      | L0056500 | 37.50      | R0394904 | 80.75      | R2000104  | 121.00     |
| FT2084   | 93         | L0062900 | 5.75       | R0394905 | 80.75      | R2000105  | 121.00     |
| FT2085   | 13         | L0063000 | 10.50      | R0394906 | 80.75      | R2000106  | 117.50     |
| FT2091   | 5.3        | L0063300 | 65.50      | R0394907 | 80.75      | R2000107  | 124.25     |
| FT2094   | 35         | L0063402 | 102.75     | R0394908 | 80.75      | R2000108  | 124.25     |
| FT2096   | 344        | L0063403 | 125.75     | R0394909 | 80.75      | R2000109  | 120.75     |
| FT2097   | 186.75     | L0063404 | 102.75     | R0394910 | 80.75      | R2000110  | 127.50     |
| FT2098   | 69.5       | L0063405 | 135.00     | R0394911 | 80.75      | R2000111  | 127.50     |
| FT2099   | 282.5      | L0063413 | 125.75     | R0394912 | 80.75      | R2000112  | 124.00     |
| FT2100   | 133        | L0063414 | 135.00     | R0394913 | 80.75      | R2000113  | 134.25     |
| FT2101   | 29.75      | L0063416 | 125.50     | R0394914 | 80.75      | R2000114  | 134.25     |
| FT2102   | 37.75      | L0063418 | 155.00     | R0394915 | 80.75      | R2000115  | 130.50     |
| FT2103   | 19.5       | L0063702 | 93.50      | R0394916 | 80.75      | R2000116  | 144.25     |
| FT2104   | 15         | L0063703 | 95.75      | R0394917 | 80.75      | R2000117  | 144.25     |
| FT2106   | 53.32      | L0063704 | 99.50      | R0394918 | 80.75      | R2000118  | 140.25     |
| FT2107   | 20.25      |          |            | R0394919 | 80.75      | R2000201  | 114.00     |
| FT2108   | 55.75      | P        |            | R0394920 | 80.75      | R2000202  | 114.00     |
| FT2109   | 57.5       | P0008300 | 4.25       | R0402001 | 1,548.00   | R2000203  | 114.00     |
| FT2110   | 520.75     | P0014100 | 4.25       | R0402002 | 1,596.00   | R2000204  | 114.00     |
| FT2111   | 26.25      | P0014400 | 5.00       | R0402003 | 1,645.00   | R2000205  | 115.50     |
| FT2112   | 40.75      | P0014500 | 4.25       | R0402004 | 1,693.00   | R2000206  | 115.50     |
| FT2113   | 25.5       | P0015100 | 7.00       | R0402005 | 1,976.00   | R2000207  | 115.50     |
| FT2114   | 133.75     | P0019100 | 12.00      | R0402006 | 2,106.00   | R2000208  | 115.50     |
| FT2115   | 19         | P0025300 | 19.25      | R0402007 | 1,595.00   | R2000209  | 117.00     |
| FT2116   | 28.25      | P0026800 | 5.50       | R0402008 | 1,645.00   | R2000210  | 117.00     |
| FT2117   | 49.75      | P0026900 | 9.25       | R0402009 | 1,694.00   | R2000211  | 117.00     |
| FT2119   | 86.5       | P0029400 | 15.75      | R0402010 | 1,742.00   | R2000212  | 117.00     |
| FT2120   | 13         | P0030400 | 24.50      | R0402011 | 2,025.00   | R2000213  | 118.75     |
| FT2121   | 31.5       | P0054900 | 13.75      | R0402012 | 2,208.00   | R2000214  | 118.75     |
| FT2122   | 37.75      | P2014800 | 19.50      | R0407700 | 393.50     | R2000215  | 118.75     |
| FT2123   | 19.25      | P2015400 | 31.25      | R0409701 | 306.00     | R2000216  | 118.75     |
| FT2124   | 17         | P2015900 | 4.25       | R0409702 | 306.00     | R2000217  | 121.75     |
| FT2128   | 34         | P2016900 | 5.50       | R0409703 | 298.00     | R2000218  | 121.75     |
| FT2129   | 13         | P2019200 | 45.25      | R0409704 | 298.00     | R2000219  | 121.75     |
| FT2130   | 198        | P2019500 | 20.25      | R0409705 | 300.50     | R2000220  | 121.75     |
| FT2131   | 1383.25    | P2022100 | 22.25      | R0409706 | 322.75     | R2000221  | 126.50     |
| FT2132   | 321.75     | P2023801 | 139.25     | R0560701 | 101.75     | R2000222  | 126.50     |
| FT2133   | 133        | P2049000 | 5.25       | R10-143  | 42.25      | R2000223  | 126.50     |

| Part No. | List Price | Part No. | List Price | Part No. | List Price | Part No.   | List Price |
|----------|------------|----------|------------|----------|------------|------------|------------|
| R2000224 | 126.50     | R2000604 | 115.75     | R20D3301 | 99.25      | RA         |            |
| R2000301 | 280.00     | R2000605 | 118.25     | R20D3303 | 124.25     | RA0001200  | 131.25     |
| R2000302 | 280.00     | R2000606 | 118.25     | R20D4020 | 183.75     | RA0079000  | 102.50     |
| R2000303 | 280.00     | R2000607 | 120.25     | R20X2013 | 258.00     | RA2107500  | 742.75     |
| R2000304 | 283.25     | R2000608 | 120.25     | R20X3032 | 127.56     | RA2112201  | 1515.00    |
| R2000305 | 283.25     | R2000609 | 122.50     | R2C3320  | 284.25     | RA2112209  | 971.25     |
| R2000306 | 283.25     | R2000610 | 122.50     | R2C4000  | 2176.00    | RA2112213  | 1417.00    |
| R2000307 | 287.00     | R2000611 | 124.75     | R2C4100  | 1146.00    | RA2112217  | 1114.00    |
| R2000308 | 287.00     | R2000612 | 124.75     | R2C4120  | 1477.00    | RA2112227  | 921.25     |
| R2000309 | 287.00     | R2000613 | 127.00     | R2C4300  | 2565.00    | RA2112228  | 975.00     |
| R2000310 | 291.25     | R2000614 | 127.00     | R2F4205  | 1882.00    | RA2112232  | 316.75     |
| R2000311 | 291.25     | R2000615 | 129.00     | R2F4205W | 1882.00    | RA2112235  | 2107.00    |
| R2000312 | 291.25     | R2000616 | 129.00     | R2F4405  | 2741.00    | RA2112236  | 2107.00    |
| R2000313 | 296.75     | R2000617 | 136.00     | R2F4405W | 2741.00    | RA2113700  | 724.25     |
| R2000314 | 296.75     | R2000618 | 136.00     | R30-227  | 23.25      | RA2114200  | 1123.00    |
| R2000315 | 296.75     | R2000619 | 138.00     | R30D1004 | 49.00      | RA2117803  | 205.00     |
| R2000316 | 306.75     | R2000620 | 149.25     | R30D1100 | 271.25     | RD         |            |
| R2000317 | 306.75     | R2000621 | 149.25     | R30D3001 | 272.00     | RD0091205  | 59.50      |
| R2000318 | 306.75     | R2000622 | 151.25     | R30D3002 | 272.00     | RD0091206  | 37.25      |
| R2000401 | 64.75      | R2006100 | 76.50      | R30D3102 | 54.75      | RD0091207  | 50.00      |
| R2000402 | 64.75      | R2006600 | 185.75     | R3C3320  | 303.75     | RD2010501  | 67.75      |
| R2000403 | 66.75      | R2007700 | 87.50      | R3C4000  | 2424.00    | RE         |            |
| R2000404 | 66.75      | R2008400 | 320.75     | R3C4100  | 1332.00    | RE0013000  | 302.25     |
| R2000405 | 67.75      | R2015000 | 53.75      | R3C4120  | 1836.00    | RE0014400  | 235.75     |
| R2000406 | 67.75      | R2028001 | 154.50     | R3C4300  | 2943.00    | RE0084401  | 46         |
| R2000407 | 69.75      | R2028002 | 161.75     | R3F4205  | 2017.00    | RE0093200  | 250.50     |
| R2000408 | 69.75      | R2028003 | 137.75     | R3F4205W | 2017.00    | RE0240900  | 66.75      |
| R2000409 | 71.00      | R2028200 | 339.50     | R3F4405  | 2293.00    | RE0254000  | 470.75     |
| R2000410 | 71.00      | R2061100 | 76.75      | R3F4405W | 2293.00    | RE2058300  | 240.00     |
| R2000411 | 73.00      | R2069101 | 591.00     | R40D1001 | 112.75     | RE2071501  | 345.00     |
| R2000412 | 73.00      | R2069102 | 693.50     | R4C3320  | 329.75     | RE2071502  | 354.75     |
| R2000413 | 74.00      | R2069103 | 727.50     | R4C4000  | 2725.00    | RE2071503  | 362.75     |
| R2000414 | 74.00      | R2069104 | 1010.25    | R4C4100  | 1584.00    | RE2071504  | 415.00     |
| R2000415 | 76.00      | R2069200 | 71.75      | R4C4120  | 2295.00    | RE2074400  | 54.75      |
| R2000416 | 76.00      | R2069300 | 81.00      | R4C4300  | 3384.00    | RE2076500  | 541.50     |
| R2000417 | 80.25      | R2069400 | 50.00      | R4F4205  | 3104.00    | RE2077700  | 154.75     |
| R2000418 | 80.25      | R2069600 | 309.00     | R4F4205W | 3104.00    | RE2310500  | 64.50      |
| R2000419 | 82.25      | R2071601 | 65.00      | R4F4405  | 2572.00    | RE2319700  | 74.75      |
| R2000420 | 82.25      | R2071602 | 75.50      | R4F4405W | 2572.00    | RE2319900  | 71.00      |
| R2000421 | 89.50      | R2072300 | 58.00      | R50D1001 | 75.50      | RE2320600  | 68.00      |
| R2000422 | 89.50      | R2072400 | 167.75     | R50D1002 | 75.50      | RE2322700  | 62.50      |
| R2000423 | 91.50      | R2072900 | 225.75     | R50D1006 | 37.25      | RE2333500  | 143.50     |
| R2000424 | 91.50      | R2073200 | 37.50      | R50D2021 | 76.50      | RE2333501  | 139.75     |
| R2000501 | 94.25      | R2073903 | 17.00      | R50D3003 | 79.00      | RE2334700  | 50.00      |
| R2000502 | 94.25      | R2073904 | 18.00      | R50D3004 | 79.00      | RE2334701  | 32.25      |
| R2000503 | 94.25      | R2073909 | 31.75      | R50D3101 | 180.00     | RE2337501  | 50.00      |
| R2000504 | 98.75      | R2073914 | 37.00      | R50D3204 | 40.25      | RE2337502  | 48.50      |
| R2000505 | 96.00      | R2073915 | 38.00      | R50D7001 | 139.00     | RE2344300  | 246.25     |
| R2000506 | 98.75      | R2073970 | 95.50      | R50D7002 | 44.75      | RE2344301  | 269.50     |
| R2000507 | 104.00     | R2075500 | 19.00      | R50D7003 | 48.75      | RE2347200  | 275.25     |
| R2000508 | 104.00     | R2075501 | 182.00     | R50D7120 | 403.50     | RE2347600  | 50.00      |
| R2000509 | 104.00     | R2076500 | 153.75     | R50D7412 | 368.75     | RE2347601  | 61.00      |
| R2000510 | 110.00     | R2076600 | 62.50      | R50D7414 | 297.75     | RE2351400  | 29.75      |
| R2000511 | 110.00     | R2077501 | 1,500.00   | R5X2013  | 214.5      | RE23569001 | 487.00     |
| R2000512 | 110.00     | R2077503 | 899.75     | R5X3032  | 72.73      | RE23569002 | 487.00     |
| R2000513 | 116.25     | R2080601 | 361.00     | R5X3043  | 105.73     | RE23569003 | 487.00     |
| R2000514 | 116.25     | R2080602 | 351.00     | R5X3044  | 105.44     | RE2362400  | 126.00     |
| R2000515 | 116.25     | R2080604 | 361.00     | R60D3200 | 307.50     | RE2370700  | 103.75     |
| R2000516 | 129.50     | R2080802 | 1,750.00   | R60D3203 | 337.25     |            |            |
| R2000517 | 129.50     | R2080803 | 1,435.00   | R70-216  | 80.25      |            |            |
| R2000518 | 129.50     | R2081401 | 92.00      | R7X2013  | 221.75     |            |            |
| R2000601 | 113.75     | R2081402 | 87.25      | R7X3032  | 81.02      |            |            |
| R2000602 | 113.75     | R2086800 | 11.6       | R8D3005  | 56.25      |            |            |
| R2000603 | 115.75     | R20D3120 | 54.75      | R8D3102  | 54.75      |            |            |

| Part No.  | List Price | Part No. | List Price | Part No. | List Price | Part No. | List Price |
|-----------|------------|----------|------------|----------|------------|----------|------------|
| <b>RL</b> |            | S2115100 | 2.25       | T0022004 | 19.25      |          |            |
| RL2018401 | 321.75     | S2115900 | 239.25     | T0022605 | 42.50      |          |            |
| RL2018402 | 376.25     | S2116000 | 0.75       | T0022606 | 49.75      |          |            |
| RL2018403 | 394.00     | S2116300 | 2.25       | T0027200 | 11.25      |          |            |
| <b>RP</b> |            | S2124500 | 1.00       | T0027300 | 3.00       |          |            |
| RP2051400 | 95.25      | S2125000 | 2.25       | T2007701 | 16.50      |          |            |
| RP2051700 | 95.25      | S2127300 | 9.00       | T2007702 | 16.50      |          |            |
| RP2053000 | 39.50      | S2127900 | 8.75       | T2007703 | 20.25      |          |            |
| RP2056100 | 37.00      | S2137800 | 2.50       | T2007704 | 23.50      |          |            |
| RP2065600 | 176.75     | S2138700 | 5.25       | T2007705 | 33.50      |          |            |
| RP2067100 | 36.50      | ST1001   | 43.50      | T2007706 | 33.50      |          |            |
| <b>RS</b> |            | ST1006   | 74.50      | T2007801 | 19.50      |          |            |
| RS2105500 | 3,990.00   | ST1008   | 6.25       | T2007802 | 19.75      |          |            |
| RS2106900 | 3,557.00   | ST1011   | 31.25      | T2007803 | 25.75      |          |            |
| RS2108400 | 193.50     | ST1012   | 12.50      | T2007804 | 26.25      |          |            |
| RS2108500 | 37.50      | ST1014   | 25.00      | T2007805 | 34.50      |          |            |
| RS2109100 | 95.00      | ST1016   | 143.00     | T2007806 | 40.75      |          |            |
| RS2109400 | 27.50      | ST1017   | 323.00     | T2015808 | 47.00      |          |            |
| RS2110900 | 4797.00    | ST1019   | 6.25       | T2015809 | 50.75      |          |            |
| RS2111000 | 7066.00    | ST1020   | 198.75     | T2015810 | 59.00      |          |            |
| RS2112801 | 192.00     | ST1021   | 87.00      | T2108802 | 243.00     |          |            |
| <b>RT</b> |            | ST1023   | 12.50      | T2108803 | 276.75     |          |            |
| RT2109001 | 94.00      | ST1024   | 25.00      | T2108804 | 307.75     |          |            |
| RTXD7108  | 640.50     | ST1028   | 43.50      | <b>V</b> |            |          |            |
| RTXD7109  | 658.25     | ST1029   | 1,551.00   | V0077500 | 253.00     |          |            |
| <b>RV</b> |            | ST1030   | 58.25      | V0079100 | 382.50     |          |            |
| RV2001900 | 1122.00    | ST1031   | 12.50      | V0079400 | 128.50     |          |            |
| RV2017900 | 326.50     | ST1032   | 12.00      | V0079500 | 192.75     |          |            |
| RV2017901 | 325.00     | ST1033   | 89.00      | V2022700 | 171.25     |          |            |
| RV2017902 | 350.00     | ST1034   | 21.25      | V2029300 | 192.91     |          |            |
| RV2017903 | 375.00     | ST1036   | 354.00     | V2033100 | 265.5      |          |            |
| <b>RW</b> |            | ST1037   | 155.25     | <b>W</b> |            |          |            |
| RW2001800 | 212.50     | ST1038   | 3.25       | W0036500 | 30.00      |          |            |
| RW2001900 | 212.50     | ST1039   | 174.00     | W0039600 | 62.50      |          |            |
| RW2002300 | 89.50      | ST1040   | 6.25       | W0040900 | 87.50      |          |            |
| RW2013300 | 25.00      | ST1041   | 6.25       | W0040901 | 87.50      |          |            |
| RW2013400 | 30.00      | ST1042   | 306.75     | W0040902 | 96.25      |          |            |
| <b>RX</b> |            | ST1044   | 6.25       | W2001700 | 7.98       |          |            |
| RXD7198   | 610.00     | ST1045   | 25.00      | W2014200 | 50.00      |          |            |
| RXD7199   | 610.00     | ST1047   | 6.25       | W2014300 | 50.00      |          |            |
| <b>S</b>  |            | ST1048   | 142.75     |          |            |          |            |
| S0070800  | 4.00       | ST1050   | 198.75     |          |            |          |            |
| S0076400  | 31.00      | ST1051   | 12.50      |          |            |          |            |
| S0076401  | 208.25     | ST1052   | 6.25       |          |            |          |            |
| S0076500  | 12.50      | ST1056   | 49.75      |          |            |          |            |
| S0077700  | 52.50      | ST1060   | 279.50     |          |            |          |            |
| S2006600  | 1.00       | ST1062   | 6.25       |          |            |          |            |
| S2009300  | 1.50       | ST1069   | 18.75      |          |            |          |            |
| S2104300  | 12.50      | ST1070   | 18.75      |          |            |          |            |
| S2104400  | 7.25       | ST1073   | 25.00      |          |            |          |            |
| S2104500  | 6.75       | ST1076   | 793.75     |          |            |          |            |
| S2104600  | 12.50      | ST1077   | 62.25      |          |            |          |            |
| S2105400  | 6.00       | ST1079   | 12.50      |          |            |          |            |
| S2112700  | 1.00       | <b>T</b> |            |          |            |          |            |
| S2113800  | 4,027.00   | T0021701 | 30.75      |          |            |          |            |
| S2114000  | 4.00       | T0021702 | 23.00      |          |            |          |            |
| S2114800  | 1.00       | T0021703 | 26.00      |          |            |          |            |
|           |            | T0021704 | 28.00      |          |            |          |            |
|           |            | T0021705 | 65.50      |          |            |          |            |
|           |            | T0021706 | 69.25      |          |            |          |            |
|           |            | T0022001 | 12.75      |          |            |          |            |
|           |            | T0022002 | 15.75      |          |            |          |            |
|           |            | T0022003 | 16.75      |          |            |          |            |

## Residential Parts Pricing - Notes

[illegible]

## Residential Parts Pricing - Notes



**Customer Service and Product Support: 800.900.9276 • Fax 800.559.1583**  
**Headquarters: 20 Industrial Way, Rochester, NH, USA 03867 • 603.335.6300 • Fax 603.335.3355**  
**9 Brigden Gate, Halton Hills, Ontario, Canada L7G 0A3 • 905.203.0600 • Fax 905.636.0666**  
**[www.Laars.com](http://www.Laars.com)**

Litho in U.S.A. © Laars Heating Systems 21-05 Document 6079T