



## Water & Steam Boilers – Series 2

Flame retention burners for Gas, Light Oil, & Gas/Light Oil firing

# Burner Specification & Data Sheet

Gas/light oil burner

Models WJB1 & WJB2 Gas burner







Webster

Models WJB1 & WJB2



| Burnor |      | Dimensions, in inches |       |      |       |       |       |       |                       |  |  |  |  |  |  |  |
|--------|------|-----------------------|-------|------|-------|-------|-------|-------|-----------------------|--|--|--|--|--|--|--|
| model  | A    | В                     | C     | D    | E     | Н     | L     | W     | Approximate<br>Weight |  |  |  |  |  |  |  |
| WJB1   | 4.00 | 14.00                 | 9.00  | 7.25 | 11.00 | 11.00 | 25.00 | 23.00 | 155-160               |  |  |  |  |  |  |  |
| WJB2   | 4.00 | 15.00                 | 10.00 | 9.25 | 14.00 | 15.00 | 29.00 | 28.00 | 275-300               |  |  |  |  |  |  |  |

## Webster – Model WJB

| Boiler<br>Model          | Burne               | er Input   | Positive            | Stand       | ard Burner<br>Designatior | Model<br>า        | Stand       | dard Combi<br>Control | ustion            | Stand   | dard C<br>Syster | ontrol<br>n          | Bui<br>3450 | ner M<br>RPM | otor<br>H.P.         | Chanderd     |
|--------------------------|---------------------|------------|---------------------|-------------|---------------------------|-------------------|-------------|-----------------------|-------------------|---------|------------------|----------------------|-------------|--------------|----------------------|--------------|
| Number<br>88<br>Series 2 | No. 2<br>Oil<br>GPH | Gas<br>MBH | Firebox<br>In. W.C. | Gas         | Light<br>Oil              | Gas/<br>Light Oil | Gas         | Light<br>Oil          | Gas/<br>Light Oil | Gas     | Light<br>Oil     | Gas/<br>Light<br>Oil | Gas         | Light<br>Oil | Gas/<br>Light<br>Oil | Voltage      |
| 488R                     | 6.9                 | 996        | 0.68                | WJB1G-03    | WJB10-03                  | WJB1C-03          | RM7897A     | R7184A                | RM7897C           | Α       | A                | A                    | 1/3         | 1/3          | 1/3                  | See notes    |
| 488                      | 7.0                 | 1010       | 0.70                | WJB1G-03    | WJB10-03                  | WJB1C-03          | RM7897A     | R7184A                | RM7897C           | Α       | Α                | Α                    | 1/3         | 1/3          | 1/3                  | See notes    |
| 588                      | 9.4                 | 1357       | 0.60                | WJB1G-05    | WJB10-05                  | WJB1C-05          | RM7897A     | R7184A                | RM7897C           | LFS     | LFS              | LFS                  | 1/2         | 1/2          | 1/2                  | See notes    |
| 688                      | 11.8                | 1701       | 0.58                | WJB1G-07    | WJB10-07                  | WJB1C-07          | RM7897A     | R7184A                | RM7897C           | LFS     | LFS              | LFS                  | 3/4         | 3/4          | 3/4                  | See notes    |
| 788                      | 14.2                | 2046       | 0.65                | WJB1G-07    | WJB10-07                  | WJB1C-07          | RM7897A     | R7184A                | RM7897C           | LFS     | LFS              | LFS                  | 3/4         | 3/4          | 3/4                  | See notes    |
| 888                      | 16.6                | 2382       | 0.66                | WJB2G-07    | WJB2O-10                  | WJB2C-10          | RM7897A     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 3/4         | 1            | 1                    | See notes    |
| 988R                     | 17.2                | 2482       | 0.54                | WJB2G-10    | WJB2O-10                  | WJB2C-10          | RM7897A     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 1           | 1            | 1                    | See notes    |
| 988                      | 18.8                | 2737       | 0.63                | WJB2G-10    | WJB2O-10                  | WJB2C-10          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 1           | 1            | 1                    | See notes    |
| 1088R                    | 20.0                | 2887       | 0.68                | WJB2G-10    | WJB2O-15                  | WJB2C-15          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 1           | 1 1/2        | 1 1/2                | See notes    |
| 1088                     | 21.5                | 3082       | 0.78                | WJB2G-10    | WJB2O-15                  | WJB2C-15          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 1           | 1 1/2        | 1 1/2                | See notes    |
| 1188                     | 23.5                | 3428       | 0.78                | WJB2G-15    | WJB2O-15                  | WJB2C-15          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 1 1/2       | 1 1/2        | 1 1/2                | See notes    |
| 1288                     | 26.0                | 3773       | 0.76                | WJB2G-15    | WJB2O-15                  | WJB2C-15          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 1 1/2       | 1 1/2        | 1 1/2                | See notes    |
| 1388                     | 28.5                | 4119       | 0.77                | WJB2G-20    | WJB2O-20                  | WJB2C-20          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 2           | 2            | 2                    | See notes    |
| 1488                     | 31.0                | 4464       | 0.78                | WJB2G-20    | WJB2O-20                  | WJB2C-30          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 2           | 2            | 3                    | See notes    |
| 1588                     | 33.0                | 4809       | 0.73                | WJB2G-20    | WJB2O-30                  | WJB2C-20          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 2           | 3            | 2                    | See notes    |
| 1688R                    | 34.5                | 4979       | 0.68                | WJB2G-30    | WJB2O-30                  | WJB2C-30          | RM7897C     | RM7897A               | RM7897C           | LFS     | LFS              | LFS                  | 3           | 3            | 3                    | See notes    |
| 1688                     | 35.5                | 5155       | 0.74                | WJB2G-30    | WJB2O-30                  | WJB2C-30          | RM7897C     | RM7897C               | RM7897C           | LFS     | LFS              | LFS                  | 3           | 3            | 3                    | See notes    |
| 1788                     | 38.0                | 5494       | 0.82                | WJB2G-30    | WJB2O-30                  | WJB2C-30          | RM7897C     | RM7897C               | RM7897C           | LFS     | LFS              | LFS                  | 3           | 3            | 3                    | See notes    |
| 1888                     | 40.5                | 5845       | 0.80                | WJB3G-30    | WJB2O-30                  | WJB3C-50          | RM7840L     | RM7897C               | RM7840L           | MOD     | LFS              | MOD                  | 3           | 3            | 5                    | See notes    |
| Standard Vo              | oltage Not          | es: 1/3 HP | blower moto         | r through ¾ | HP – 120V/6               | 0/1 phase, 1      | HP blower r | notor – 240\          | //60/1 phase      | , 1-½ H | P blow           | ver mot              | or thro     | ugh 5 H      | IP- 240              | V/60/3 phase |

| Boiler<br>Model<br>Number | Pressure<br>drop thru<br>gas train<br>Inches | Gas<br>orifice<br>pressure<br>Inches<br>W.C. | Ga:<br>Press<br>require<br>e Gas Co<br>ure Inte<br>es Inch<br>:. W.C |      | Initial<br>Setting<br>(( | Damper<br>g Inches<br>Oil) | Initial<br>Damper<br>Setting<br>Inches<br>(Gas) | Initial E<br>Setting<br>(Gas/Li | amper<br>Inches<br>ght Oil) |      | Oil No               | ozzle(s) |                | Oi<br>Press<br>PSI | l<br>sure<br>G | Fuel Unit<br>Burner-Motor<br>Driven<br>3450 RPM |             |
|---------------------------|--|--|--|------|--------------------------|----------------------------|---|---------------------------------|-----------------------------|------|----------------------|----------|----------------|--------------------|----------------|---|-------------|
|                           | W.C.   | HIGH<br>FIRE                                 | Min.   | Max. | Low<br>Fire              | High Fire                  | High Fire                                       | High<br>Fire<br>(Gas)           | High<br>Fire<br>(Oil)       | Qty. | GPH @<br>100<br>PSIG | Brand    | Spray<br>Angle | High<br>Fire       | Low<br>Fire    | Туре  | Gear<br>GPH |
| 488R                      | 2.3  | 2.4  | 5.5  | 28   | 1/4                      | 1                          | 1-1/4   | 1-5/16                          | 1                           | 1    | 4.00                 | Hago P   | 45°            | 300                | 100            | 22R220D   | 45          |
| 488                       | 2.3  | 2.5  | 5.7  | 28   | 1/4                      | 1-13/16                    | 1-7/16  | 1-9/16                          | 1-3/16                      | 1    | 4.00                 | Hago P   | 45°            | 305                | 100            | 22R220D   | 45          |
| 588                       | 3.7  | 2.8  | 7.0  | 28   | 1/2                      | 13/16                      | 1-7/8   | 1-7/8                           | 1-3/16                      | 1    | 5.50                 | Hago P   | 45°            | 290                | 100            | 22R220D   | 45          |
| 688                       | 2.7  | 3.2  | 6.2  | 28   | 7/16                     | 7/8                        | 1-3/16  | 1-5/16                          | 1                           | 1    | 7.00                 | Hago P   | 45°            | 290                | 100            | 22R220D   | 45          |
| 788                       | 2.9  | 2.8  | 5.1  | 28   | 1/2                      | 1-3/8                      | 1-13/16   | 1-7/8                           | 1-1/2                       | 2    | 4.25                 | Hago P   | 60°            | 285                | 100            | 22R221D   | 70          |
| 888                       | 2.55   | 1.8  | 4.9  | 28   | 5/8                      | 1-1/2                      | 1   | 1-3/4                           | 1-1/2                       | 1    | 10.00                | Hago P   | 45°            | 280                | 100            | 22R221D   | 70          |
| 988R                      | 3.15   | 1.7  | 5.1  | 28   | 5/8                      | 1-3/4                      | 1-1/8   | 1-7/8                           | 1-3/4                       | 1    | 10.00                | Hago P   | 45°            | 300                | 100            | 22R221D   | 70          |
| 988                       | 3.8  | 1.8  | 5.8  | 28   | 13/16                    | 1-5/16                     | 1-1/4   | 1-1/2                           | 1-3/16                      | 1    | 11.00                | Hago P   | 45°            | 290                | 100            | 22R221D   | 70          |
| 1088R                     | 4.4  | 2.2  | 6.6  | 28   | 5/8                      | 1-1/8                      | 1-3/8   | 1-1/4                           | 1-1/8                       | 2    | 6.00                 | Hago P   | 45°            | 280                | 100            | 22R221D   | 70          |
| 1088                      | 3.2  | 2.4  | 6.0  | 28   | 3/4                      | 1-5/16                     | 1-7/16  | 1-7/16                          | 1-5/16                      | 2    | 6.50                 | Hago P   | 45°            | 280                | 100            | 22R221D   | 70          |
| 1188                      | 4.0  | 2.0  | 6.4  | 28   | 3/4                      | 1-3/4                      | 1-13/16   | 1-7/8                           | 1-3/4                       | 2    | 7.00                 | Hago P   | 45°            | 280                | 100            | 22R221D   | 70          |
| 1288                      | 3.0  | 2.4  | 6.0  | 28   | 13/16                    | 2-1/16                     | 2-5/16  | 2-5/8                           | 2-1/8                       | 2    | 7.50                 | Hago P   | 45°            | 300                | 100            | 22R221D   | 70          |
| 1388                      | 3.8  | 2.0  | 6.3  | 28   | 3/4                      | 1-1/2                      | 2-1/2   | 2-1/2                           | 1 7/8                       | 2    | 8.50                 | Hago P   | 60°            | 290                | 100            | 22R322D   | 105         |
| 1488                      | 4.6  | 2.6  | 7.7  | 28   | 15/16                    | 2-3/16                     | 2-1/8   | 2-1/4                           | 2                           | 2    | 9.00                 | Hago P   | 60°            | 300                | 100            | 22R322D   | 105         |
| 1588                      | 5.1  | 2.8  | 8.7  | 28   | 1                        | 2-1/8                      | 3-3/8   | 3-1/4                           | 2-1/4                       | 2    | 10.00                | Hago P   | 60°            | 280                | 100            | 22R322D   | 105         |
| 1688R                     | 4.6  | 2.9  | 9.2  | 28   | 1 1/16                   | 2-1/2                      | 1-7/8   | 2-1/4                           | 1-1/2                       | 2    | 10.00                | Hago P   | 60°            | 300                | 100            | 22R623D   | 135         |
| 1688                      | 6.1  | 3.1  | 9.8  | 28   | 1                        | 2-5/8                      | 2-1/4   | 2-1/2                           | 2-1/8                       | 2    | 10.50                | Hago P   | 60°            | 295                | 100            | 22R623D   | 135         |
| 1788                      | 5.25   | 3.4  | 9.1  | 28   | 9/16                     | 2-1/4                      | 3-1/4   | 3-1/4                           | 3                           | 2    | 11.00                | Hago P   | 60°            | 300                | 100            | 22R623D   | 135         |
| 1888                      | 5.7  | 5.6  | 12.2   | 28   | 1                        | 3                          | 1-3/4   | 1-7/8                           | 1-7/8                       | 3    | 8.0                  | Delevan  | 60°            | 300                | 65             | SG0550  | 108         |

Standard Oil Pump Location: 488R through 1488 Gas / Oil – Integral to Burner, 1588 through 1888 Remote Pump

488R through 1688 Oil – Integral to Burner, 1788 and 1888 Remote Pump

#### Notes

1. Burner capacities listed for elevations up to 2,000 feet. For higher elevations, consult local Weil-McLain distributor/agent or sales office.

2. Light Oil ratings based on No. 2 fuel oil with heating value of 140,000 Btu per gallon.

Gas ratings based on natural gas with heating value of 1,000 Btu per cubic foot and specific gravity of 0.60. Gas burners for other gases are available. Consult local Weil-McLain distributor/agent or sales office. 3.

Boiler-burner unit to be adjusted to achieve + 0.10 inches W.C. pressure at the flue collar, resulting in positive pressure in firebox as listed.4.

## **Burner Specification and Data Sheet**

- 5. Minimum gas pressures listed are subject to variations due to job conditions. Gas burners for other gas pressures are available. Consult local Weil-McLain distributor/agent or sales office.
- 6. Gas orifice pressures shown are for initial start-up. Final pressures should be determined after checking actual gas flow and combustion readings.
- 7. Gas Control Systems:
  - A(OO): On-off operation. Single-position air and fuel.

L(LFS): On-off operation, low fire start, high fire run. Air controlled by damper arm on motorized gas valve.

H(LHL): Low-high-low-off firing conditions. Two-position air controlled by damper arm on motorized gas valve.

M(MOD): On-off operation, with proven low fire start.

Proportional motor drives fuel metering valve and combustion air damper according to the firing conditions.

Fixed damper pre-purge on 488-988R, open damper pre-purge on 988-1888.

| Standard Gas Components and Sizes in Inches |                         |                               |                           |                     |                                     |   |                                     |                                 |                                |  |  |  |  |  |
|---|-------------------------|-------------------------------|---------------------------|---------------------|-------------------------------------|---|-------------------------------------|---------------------------------|--------------------------------|--|--|--|--|--|
| Boiler<br>Model<br>Number                   | Manual<br>Hand<br>Valve | Low Gas<br>Pressure<br>Switch | Gas Pressure<br>Regulator | Safety Gas<br>Valve | Motorized<br>Operating<br>Gas Valve | Motorized Operat-<br>ing Gas Valve w/<br>Proof of Closure | Diaphragm<br>Operating<br>Gas Valve | Manual<br>Checking<br>Gas Valve | High Gas<br>Pressure<br>Switch |  |  |  |  |  |
| 488R  | 1-1⁄4                   | Optional                      | 1-1⁄4                     | 1                   | n/a                                 | n/a   | 1-1⁄4                               | 1                               | Optional                       |  |  |  |  |  |
| 488   | 1-1/4                   | Optional                      | 1-1⁄4                     | 1                   | n/a                                 | n/a   | 1-1⁄4                               | 1                               | Optional                       |  |  |  |  |  |
| 588   | 1-1⁄4                   | Optional                      | 1-1⁄4                     | n/a                 | 1-1⁄4                               | n/a   | 1-1⁄4                               | 1-1⁄4                           | Optional                       |  |  |  |  |  |
| 688   | 1-1/2                   | Optional                      | 1 1/2                     | n/a                 | 1-1/2                               | n/a   | 1-1/2                               | 1-1/2                           | Optional                       |  |  |  |  |  |
| 788   | 1-1⁄2                   | Optional                      | 1 1/2                     | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Optional                       |  |  |  |  |  |
| 888   | 1-1/2                   | Optional                      | 1 1/2                     | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Optional                       |  |  |  |  |  |
| 988R  | 1-1⁄2                   | Optional                      | 1 1⁄2                     | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Optional                       |  |  |  |  |  |
| 988   | 1-1/2                   | Standard                      | 1 1/2                     | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Standard                       |  |  |  |  |  |
| 1088R                                       | 1-1⁄2                   | Standard                      | 1 1⁄2                     | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Standard                       |  |  |  |  |  |
| 1088  | 2                       | Standard                      | 2                         | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Standard                       |  |  |  |  |  |
| 1188  | 2                       | Standard                      | 2                         | n/a                 | 2                                   | n/a   | 2                                   | 2                               | Standard                       |  |  |  |  |  |
| 1288  | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2                                   | n/a   | 2-1/2                               | 2                               | Standard                       |  |  |  |  |  |
| 1388  | 2-1⁄2                   | Standard                      | 2-1/2                     | n/a                 | 2                                   | n/a   | 2-1/2                               | 2                               | Standard                       |  |  |  |  |  |
| 1488  | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2                                   | n/a   | 2-1/2                               | 2                               | Standard                       |  |  |  |  |  |
| 1588  | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2                                   | n/a   | 2-1/2                               | 2                               | Standard                       |  |  |  |  |  |
| 1688R                                       | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2                                   | n/a   | 2-1/2                               | 2                               | Standard                       |  |  |  |  |  |
| 1688  | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2                                   | 2"  | 2-1/2                               | 2                               | Standard                       |  |  |  |  |  |
| 1788  | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2-1/2                               | 2-1/2   | 2-1/2                               | 2-1/2                           | Standard                       |  |  |  |  |  |
| 1888  | 2-1/2                   | Standard                      | 2-1/2                     | n/a                 | 2-1/2                               | 2-1/2   | 2-1/2                               | 2-1/2                           | Standard                       |  |  |  |  |  |

#### 8. Light Oil Control Systems:

| A(OO):  | On-off operation, fixed air. Single-position air and fuel.  |
|---------|---|
| L(LHO): | On-off operation, low fire start, high fire run. Two-position air, two-position oil.                                  |
| H(LHL): | Low-high-low-off firing conditions. Two-position air, two-position oil.   |
| M(MOD): | On-off operation, with proven low fire start. Proportional motor drives fuel metering valve and combustion air damper |
|         | according to the firing conditions. Fixed damper pre-purge on 488-1088R, open damper pre-purge on 1088-1888.          |

#### 9. Gas/Light Oil Control Systems:

| A/A:           | Combines gas and light oil characteristics listed above. |
|----------------|--|
| L/L(LHO/LHO):  | Combines gas and light oil characteristics listed above. |
| H/H (LHL/LHL): | Combines gas and light oil characteristics listed above. |
| /M(MOD/MOD):   | Combines gas and light oil characteristics listed above. |

- 10. 120/60/1 control circuit is used for all burners.
- 11. Control circuit transformer is available as an option.
- 12. Motor starter contactor will be furnished for all units.
- 13. Combustion Controls:

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- a) R7184A combustion control uses cadmium cell for flame detector to monitor oil burner flame, also furnishes intermittent ignition.
- b) RM7897 flame safeguard control uses ultraviolet electronic flame detector to monitor gas or oil burner flame and provides pre-purge programming. "A" models provide intermittent pilot; "C" models provide interrupted pilot and RUN/TEST switch.
- c) RM7840M, E110/EPD390 flame safeguard control monitors the oil or gas burner flame, provides pre-purge and post-purge programming. Timed low fire start is provided by means of timing built into control. Control is used with UL on-off (low fire start) systems. Ultraviolet sensitive electronic flame detector is standard with infrared detector available.
- d) RM7840L, E110/EPD170 flame safeguard control monitors the oil or gas burner flame, provides pre-purge and post-purge programming, provides switching necessary to allow firing rate motor to be driven to both low fire and high fire positions, prevents start-up if pre-ignition interlocks are open and has low fire start proving circuit. In the event pre-ignition interlock circuit or running interlock circuit does not "prove", system will lock out on safety. Ultraviolet sensitive electronic flame detector is standard with infrared detector available.

### Webster – Model WJB



#### Notes

- e) RM7800L, E110/EP170 flame safeguard control monitors the oil or gas burner flame with digital readout control system, provides prepurge and post-purge programming, provides switching necessary to allow firing rate motor to be driven to both low fire and high fire position, prevents start-up if pre-ignition interlocks are open and has low fire start proving circuit. In the event pre-ignition interlock circuit or running interlock circuit does not "prove", system will lock out on safety. Ultraviolet sensitive electronic flame detector is standard with infrared detector available.
- 14. Airflow safety switch is standard for all gas and combination gas/light oil units.
- 15. Burners will be completely assembled and wired (except gas train) and factory test-fired.
- 16. Burners listed by Underwriters Laboratories, Inc., state of Connecticut, Fire Marshal state of Massachusetts, city of New York MEA, and others.
- 17. Special controls can be provided to meet other code requirements not listed. Consult your local Weil-McLain distributor/agent or sales office.
- 18. Electric gas pilot is standard equipment on all gas and combination gas/light oil units and on oil units 1688-1888. Direct spark ignition is standard on light oil units 488R-1688R. Direct spark ignition is optional on combination gas/ light oil units 488R-1688R. Consult your local Weil-McLain distributor/agent or sales offices.
- 19. Available for Low NOx applications. Consult your local Weil-McLain distributor/agent or sales offices.

#### Flame Safeguards Provided with Listed Control Systems by Code

|          | GAS BURNERS |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
|----------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Boiler   |             | U       | IL      |         | FM      |         |         |         |         | CS      | D-1     |         | IRI     |         |         |         |  |
| number   | A/00        | L/LH0   | H/LHL   | MOD     | A/00    | L/LHO   | H/LHL   | MOD     | A/00    | L/LHO   | H/LHL   | MOD     | A/00    | L/LH0   | H/LHL   | MOD     |  |
| 488R-488 | RM7897A     | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897A | RM7897C | RM7897C | RM7897C | RM7840L |  |
| 588-988R |             | RM7897A | RM7897A | RM7897A |         | RM7897A | RM7897A | RM7897A |         | RM7897A | RM7897A | RM7897A |         | RM7897C | RM7897C | RM7840L |  |
| 988-1888 |             | RM7897C | RM7897C | RM7840L |         | RM7897C | RM7897C | RM7840L |         | RM7897C | RM7897C | RM7840L |         | RM7897C | RM7897C | RM7840L |  |

#### LIGHT OIL BURNERS

| Boiler    |        | ι       | IL      |         | FM     |         |         |         |         | CS      | D-1     |         | IRI     |         |         |         |  |
|-----------|--------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| number    | A/00   | L/LHO   | H/LHL   | MOD     | A/00   | L/LH0   | H/LHL   | MOD     | A/00    | L/LHO   | H/LHL   | MOD     | A/00    | L/LHO   | H/LHL   | MOD     |  |
| 488R      | R7184A | R7184A  | R7184A  | R7184A  | R7184A | R7184A  | R7184A  | R7184A  | R7184A  | R7184A  | R7184A  | R7184A  | RM7897C | RM7897C | RM7897C | RM7840L |  |
| 488-588   | R7184A | R7184A  | R7184A  | R7184A  | R7184A | R7184A  | R7184A  | R7184A  | RM7897A | RM7897A | RM7897A | RM7895A | RM7897C | RM7897C | RM7897C | RM7840L |  |
| 688-988R  |        | R7184A  | R7184A  | R7184A  | R7184A | R7184A  | R7184A  | R7184A  |         | RM7897A | RM7897A | RM7895A |         | RM7897C | RM7897C | RM7840L |  |
| 988-1088R |        | R7184A  | R7184A  | R7184A  | R7184A | R7184A  | R7184A  | RM7840L |         | RM7897A | RM7897A | RM7895A |         | RM7897C | RM7897C | RM7840L |  |
| 1088-1888 |        | RM7897C | RM7897C | RM7840L |        | RM7897C | RM7897C | RM7840L |         | RM7897C | RM7897C | RM7840L |         | RM7897C | RM7897C | RM7840L |  |

#### GAS/LIGHT OIL BURNERS

|  | Boiler          | UL      |         |         |         | FM      |         |         |         |         | CS      | D-1     |         | IRI     |         |         |         |
|--|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | model<br>number | A/00    | L/LHO   | H/LHL   | MOD     | A/00    | L/LH0   | H/LHL   | MOD     | A/00    | L/LH0   | H/LHL   | MOD     | A/00    | L/LH0   | H/LHL   | MOD     |
|  | 488R-488        | RM7897A | RM7840L |
|  | 588-988R        |         | RM7897A | RM7897A | RM7897A |         | RM7897A | RM7897A | RM7897A |         | RM7897A | RM7897A | RM7897A |         | RM7897A | RM7897A | RM7840L |
|  | 988-1888        |         | RM7897C | RM7897C | RM7840L |

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