

# V11H Series BURNERS



## Oil Burners

| BOILER NUMBER | BECKETT      |      | CARLIN       |       | POWER FLAME  |       | WEBSTER      |       |
|---------------|--------------|------|--------------|-------|--------------|-------|--------------|-------|
|               | BURNER MODEL | H.P. | BURNER MODEL | H.P.  | BURNER MODEL | H.P.  | BURNER MODEL | H.P.  |
| V1104H        | CF1400       | 1/2  | —            | —     | CR1-0S       | 1/2   | JB10-03      | 1/3   |
| V1105H        | CF1400       | 1/2  | 702CRD       | 1/2   | CR1-0S       | 1/2   | JB10-03      | 1/3   |
| V1106H        | CF1400       | 1/2  | 702CRD       | 1/2   | CR2-OAS      | 3/4   | JB10-03      | 1/3   |
| V1107H        | CF2300       | 3/4  | 801CRD       | 3/4   | CR2-OAS      | 3/4   | JB10-05      | 1/2   |
| V1108H        | CF2300       | 3/4  | 801CRD       | 3/4   | CR2-OAS      | 3/4   | JB10-07      | 3/4   |
| V1109H        | CF2300       | 3/4  | 801CRD       | 3/4   | CR2-OAS      | 3/4   | JB10-07      | 3/4   |
| V1110H        | CF2300       | 3/4  | 1050FFD      | 1     | CR2-OAS      | 1-1/2 | JB10-07      | 3/4   |
| V1111H        | CF2300       | 3/4  | 1050FFD      | 1     | CR3-0        | 2     | JB20-10      | 1     |
| V1112H        | CF2500       | 2    | 1050FFD      | 1-1/2 | CR3-0        | 2     | JB20-10      | 1     |
| V1113H        | CF2500       | 2    | 1050FFD      | 1-1/2 | CR3-0        | 2     | JB20-10      | 1     |
| V1114H        | CF3500       | 2    | 1150FFD      | 1-1/2 | CR3-0        | 2     | JB20-10      | 1     |
| V1115H        | CF3500       | 2    | 1150FFD      | 1-1/2 | CR3-0        | 2     | JB20-10      | 1     |
| V1116H        | CF3500       | 2    | 1150FFD      | 1-1/2 | CR3-0        | 3     | JB20-15      | 1-1/2 |
| V1117H        | —            | —    | 1150FFD      | 1-1/2 | CR3-0        | 3     | JB20-30      | 3     |
| V1118H        | —            | —    | —            | —     | CR3-OB       | 3     | JB20-30      | 3     |
| V1119H        | —            | —    | —            | —     | CR3-OB       | 3     | JB20-30      | 3     |
| V1120H        | —            | —    | —            | —     | CR3-OB       | 3     | JB20-30      | 3     |
| V1121H        | —            | —    | —            | —     | CR3-OB       | 3     | JB20-50      | 5     |
| V1122H        | —            | —    | —            | —     | CR4-0A       | 5     | JB20-50      | 5     |
| V1123H        | —            | —    | —            | —     | CR4-0A       | 5     | JB20-50      | 5     |

STANDARD BURNER MOTOR VOLTAGE: Beckett—CF1400, and CF2300 are 120/60/1. CF2500 and CF3500 are 240/60/3. Carlin—All sizes 240/60/1. Power Flame—CR1-0S is 120/60/1. CR2-OAS is 240/60/1. All others are 240/60/3. Webster—JB10-03, JB10-05 and JB10-07 are 120/60/1. JB20-10 is 240/60/1. All others are 240/60/3.

## Gas Burners\*

| BOILER NUMBER | BECKETT      |      |                       | POWER FLAME - 'CR'† |       | POWER FLAME - 'JR'† |      | WEBSTER      |       |                       |
|---------------|--------------|------|-----------------------|---------------------|-------|---------------------|------|--------------|-------|-----------------------|
|               | BURNER MODEL | H.P. | MIN. GAS PRESS. (IN.) | BURNER MODEL        | H.P.  | BURNER MODEL        | H.P. | BURNER MODEL | H.P.  | MIN. GAS PRESS. (IN.) |
| V1104H        | CG10.6S      | 1/3  | 4.6                   | CR1-G-12            | 1/3   | JR30A-10            | 1/3  | JB1G-03      | 1/3   | 6                     |
| V1105H        | CG10.6S      | 1/3  | 6.6                   | CR1-G-12            | 1/2   | JR30A-12            | 1/3  | JB1G-03      | 1/3   | 4                     |
| V1106H        | CG15.4S      | 1/2  | 6.2                   | CR2-G-15            | 1/2   | JR50A-15            | 1/3  | JB1G-03      | 1/3   | 6                     |
| V1107H        | CG25.2S      | 3/4  | 5.2                   | CR2-G-15            | 1/2   | JR50A-15            | 1/2  | JB1G-05      | 1/2   | 5                     |
| V1108H        | CG25.3S      | 3/4  | 5.0                   | CR2-G-15            | 1/2   | JR50A-15            | 1/2  | JB1G-07      | 3/4   | 5                     |
| V1109H        | CG25.4S      | 3/4  | 5.2                   | CR2-G-15            | 1/2   | —                   | —    | JB1G-07      | 3/4   | 8                     |
| V1110H        | CG25.5S      | 3/4  | 5.2                   | CR2-G-20A           | 1     | —                   | —    | JB1G-07      | 3/4   | 8                     |
| V1111H        | CG50.2S      | 2    | 5.7                   | CR3-G-20            | 1-1/2 | —                   | —    | JB2G-10      | 1     | 8                     |
| V1112H        | CG50.3S      | 2    | 4.3                   | CR3-G-20            | 1-1/2 | —                   | —    | JB2G-10      | 1     | 6                     |
| V1113H        | CG50.3S      | 2    | 5.7                   | CR3-G-20            | 1-1/2 | —                   | —    | JB2G-10      | 1     | 7                     |
| V1114H        | CG50.4S      | 2    | 5.7                   | CR3-G-20            | 1-1/2 | —                   | —    | JB2G-15      | 1-1/2 | 8                     |
| V1115H        | CG50.5S      | 2    | 5.0                   | CR3-G-20            | 1-1/2 | —                   | —    | JB2G-30      | 3     | 8                     |
| V1116H        | CG50.5S      | 2    | 5.3                   | CR3-G-25            | 3     | —                   | —    | JB2G-30      | 3     | 8                     |
| V1117H        | CG50.5S      | 2    | 6.1                   | CR3-G-25            | 3     | —                   | —    | JB2G-30      | 3     | 9                     |
| V1118H        | CG50.5S      | 2    | 6.9                   | CR3-G-25B           | 3     | —                   | —    | JB2G-30      | 3     | 10                    |
| V1119H        | CG50.5S      | 2    | 7.3                   | CR3-G-25B           | 3     | —                   | —    | JB2G-30      | 3     | 11                    |
| V1120H        | —            | —    | —                     | CR3-G-25B           | 3     | —                   | —    | JB2G-30      | 3     | 12                    |
| V1121H        | —            | —    | —                     | CR3-G-25B           | 3     | —                   | —    | JB2G-50      | 5     | 14                    |
| V1122H        | —            | —    | —                     | CR4-G-25            | 5     | —                   | —    | JB2G-50      | 5     | 15                    |
| V1123H        | —            | —    | —                     | CR4-G-25            | 5     | —                   | —    | JB2G-50      | 5     | 16                    |

STANDARD BURNER MOTOR VOLTAGE: Power Flame C Series—CR1-G-12 and CR2-G-15 are 120/60/1. CR2-G-20A is 240/60/1. All others are 240/60/3. Power Flame JR Series—All burners are 120/60/1. Webster—JB1G-03, JB1G-05 and JB1G-07 are 120/60/1. JB2G-10 is 240/60/1. All others are 240/60/3.

\* For inlet gas connection size, see Gas/Oil Burner Chart.

† For minimum gas pressure requirements, see Gas/Oil Burner Chart.

## Gas/Oil Burners

| BOILER NUMBER | POWER FLAME - 'CR' SERIES |       |                            |                       | WEBSTER      |       |                            |                       |
|---------------|---------------------------|-------|----------------------------|-----------------------|--------------|-------|----------------------------|-----------------------|
|               | BURNER MODEL              | H.P.  | INLET GAS CONNECTION (IN.) | MIN. GAS PRESS. (IN.) | BURNER MODEL | H.P.  | INLET GAS CONNECTION (IN.) | MIN. GAS PRESS. (IN.) |
| V1104H        | CR1-GO-12                 | 1/2   | 1                          | 4.7                   | JB1C-03      | 1/3   | 1                          | 7.0                   |
| V1105H        | CR1-GO-12                 | 1/2   | 1                          | 4.8                   | JB1C-03      | 1/3   | 1-1/4                      | 4.9                   |
| V1106H        | CR2-GO-15                 | 3/4   | 1                          | 5.4                   | JB1C-03      | 1/3   | 1-1/4                      | 7.0                   |
| V1107H        | CR2-GO-15                 | 3/4   | 1                          | 6.4                   | JB1C-05      | 1/2   | 1-1/4                      | 6.2                   |
| V1108H        | CR2-GO-15                 | 3/4   | 1                          | 7.5                   | JB1C-07      | 3/4   | 1-1/2                      | 6.9                   |
| V1109H        | CR2-GO-15                 | 3/4   | 1-1/4                      | 6.4                   | JB1C-07      | 3/4   | 1-1/2                      | 7.0                   |
| V1110H        | CR2-GO-20A                | 1-1/2 | 1-1/4                      | 5.8                   | JB1C-07      | 3/4   | 1-1/2                      | 7.0                   |
| V1111H        | CR3-GO-20                 | 2     | 2                          | 5.8                   | JB2C-10      | 1     | 2                          | 6.3                   |
| V1112H        | CR3-GO-20                 | 2     | 1-1/2                      | 6.0                   | JB2C-10      | 1     | 2                          | 5.6                   |
| V1113H        | CR3-GO-20                 | 2     | 1-1/2                      | 6.8                   | JB2C-10      | 1     | 2                          | 6.3                   |
| V1114H        | CR3-GO-20                 | 2     | 1-1/2                      | 7.4                   | JB2C-10      | 1     | 2                          | 7.0                   |
| V1115H        | CR3-GO-20                 | 2     | 1-1/2                      | 7.3                   | JB2C-10      | 1     | 2                          | 6.8                   |
| V1116H        | CR3-GO-25                 | 3     | 2                          | 6.6                   | JB2C-15      | 1-1/2 | 2                          | 7.0                   |
| V1117H        | CR3-GO-25                 | 3     | 2                          | 7.1                   | JB2C-30      | 3     | 2                          | 7.3                   |
| V1118H        | CR3-GO-25B                | 3     | 2                          | 7.7                   | JB2C-30      | 3     | 2-1/2                      | 8.1                   |
| V1119H        | CR3-GO-25B                | 3     | 2-1/2                      | 6.5                   | JB2C-30      | 3     | 2-1/2                      | 9.2                   |
| V1120H        | CR3-GO-25B                | 3     | 2-1/2                      | 7.0                   | JB2C-30      | 3     | 2-1/2                      | 10.0                  |
| V1121H        | CR3-GO-25B                | 3     | 2-1/2                      | 7.0                   | JB2C-50      | 5     | 2-1/2                      | 11.0                  |
| V1122H        | CR4-GO-25                 | 5     | 2-1/2                      | 6.3                   | JB2C-50      | 5     | 2-1/2                      | 12.4                  |
| V1123H        | CR4-GO-25                 | 5     | 2-1/2                      | 6.9                   | JB2C-50      | 5     | 2-1/2                      | 13.1                  |

STANDARD BURNER MOTOR VOLTAGE: Power Flame—CR1-GO-12 is 120/60/1. CR2-GO-15 and CR2-GO-20A are 240/60/1. All others are 240/60/3. Webster—JB1C-03, JB1C-05, JB1C-07 are 120/60/1. JB2C-10 is 240/60/1. All others are 240/60/3.

### NOTES:

1. The minimum gas pressures shown are for standard UL burners with the standard firing sequence. IRI, FM and CSD-1 requirements may result in different pressures and prices.