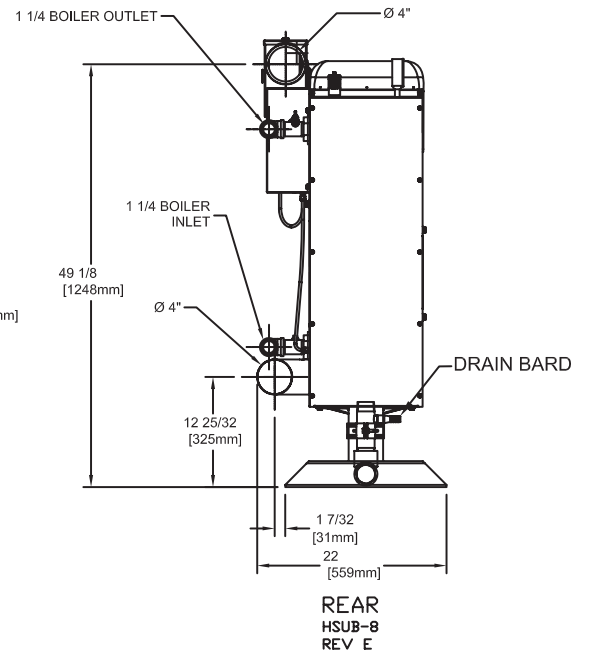
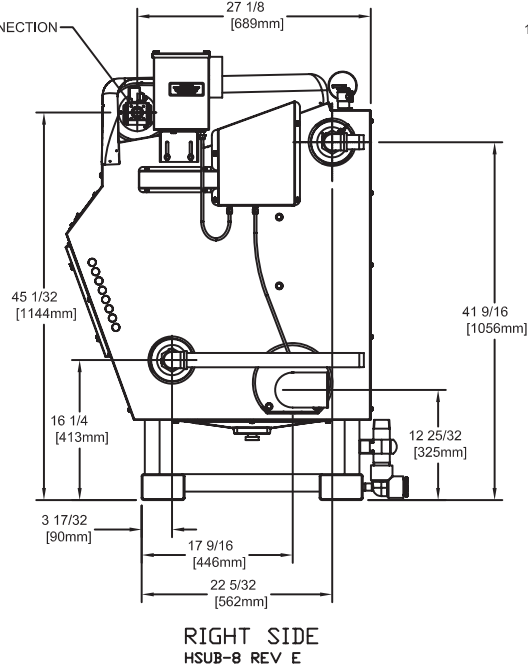
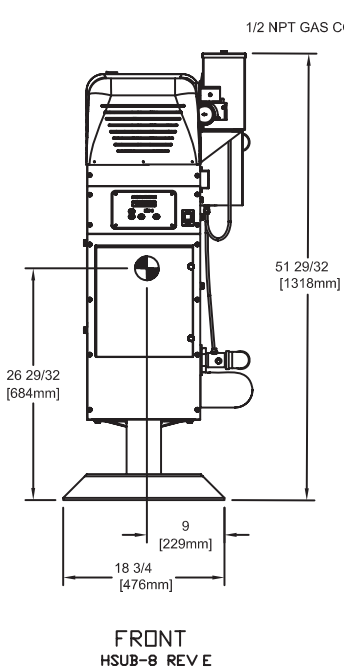
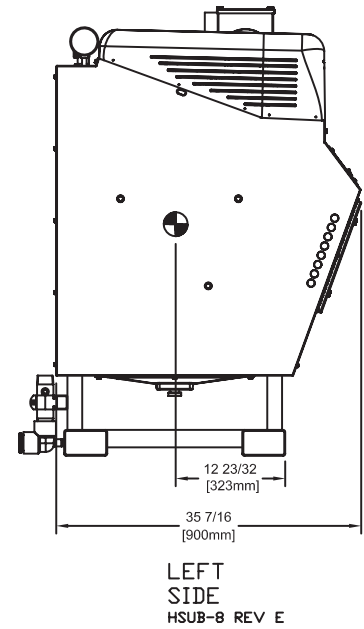
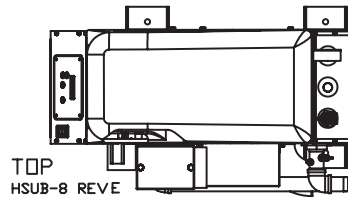
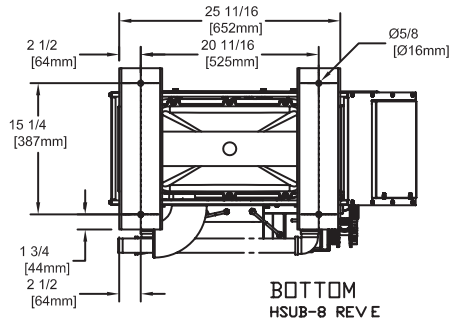


# KN-4

## Category II or Category IV Appliance

(see Installation and Operation Manual for venting information)



## A.G.A. CERTIFIED RATINGS & CAPACITIES

|                                |                    |                                   |                    |
|--------------------------------|--------------------|-----------------------------------|--------------------|
| <b>Fuel Type</b>               | Natural/LP Gas     | <b>Boiler FLA</b>                 | 5 A*               |
| <b>Input BTU/hr.</b>           | 399 MBH / 117 KW   | <b>Min. Gas Pressure Required</b> | 2" W.C.            |
| <b>Output BTU/hr.</b>          | 359 MBH / 105 KW   | <b>Max. Gas Pressure Allowed</b>  | 14" W.C.           |
| <b>Boiler HP</b>               | 10.7               | <b>Water Volume</b>               | 5.9 gal.           |
| <b>Electrical Requirements</b> | 120VAC/ 60 hz/ 1PH | <b>Operating Weight</b>           | 827 lbs. / 375 kg. |

## BOILER TRIM & CONTROLS

|                          |               |                     |                      |
|--------------------------|---------------|---------------------|----------------------|
| <b>Main Gas Valve</b>    | Dungs GB-WND  | <b>Air Switch</b>   | Cleveland NS-2       |
| <b>Ignition Control</b>  | Fenwal 35-60  | <b>Blower Motor</b> | Ametek               |
| <b>Operating Control</b> | HeatNet®      | <b>Relief Valve</b> | 30, 50, 75 & 100 PSI |
| <b>High Limit</b>        | P-SW-1300-4-X |                     |                      |

## A.S.M.E.

|                                            |                             |                    |                 |
|--------------------------------------------|-----------------------------|--------------------|-----------------|
| <b>ASME Sect IV Fire Side Htg Surface</b>  | 19.95 Sq. Ft. / 1.85 Sq. M. | <b>Design Data</b> | 100 PSI & 250°F |
| <b>ASME Sect IV Water Side Htg Surface</b> | 21.33 Sq. Ft. / 1.98 Sq. M. |                    |                 |
| <b>CV. GPM (1PSID)</b>                     | 40                          |                    |                 |

\*Add circulator amps.

## TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

| 20°F / 11.1°C |      |               |      | 40°F / 22.2°C |      |               |      | 60°F / 33.3°C |     |               |     | 80°F / 44.4°C |     |               |     | 100°F / 55.5°C |     |               |     |
|---------------|------|---------------|------|---------------|------|---------------|------|---------------|-----|---------------|-----|---------------|-----|---------------|-----|----------------|-----|---------------|-----|
| Flow Rate     |      | Pressure Drop |      | Flow Rate     |      | Pressure Drop |      | Flow Rate     |     | Pressure Drop |     | Flow Rate     |     | Pressure Drop |     | Flow Rate      |     | Pressure Drop |     |
| GPM           | L/s  | Ft            | kPa  | GPM           | L/s  | Ft            | kPa  | GPM           | L/s | Ft            | kPa | GPM           | L/s | Ft            | kPa | GPM            | L/s | Ft            | kPa |
| 36.0          | 2.30 | 1.90          | 5.60 | 18.0          | 1.10 | .50           | 1.40 | 12.0          | .80 | .21           | .60 | 9.00          | .60 | .12           | .30 | 7.2            | .50 | .07           | .22 |

| Flow GPM |  |     |  | Temp. Rise** (°F) |  |     |  | Vent Length (Equiv. Ft.) |  |     |  | Air Inlet Length (Equiv. Ft.) |  |     |  |
|----------|--|-----|--|-------------------|--|-----|--|--------------------------|--|-----|--|-------------------------------|--|-----|--|
| Min      |  | Max |  | Min               |  | Max |  | Min                      |  | Max |  | Min                           |  | Max |  |
| 7.2      |  | 36  |  | 20                |  | 100 |  | 6                        |  | 100 |  | 0                             |  | 100 |  |

\*\*Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

**Not available for sale in Canada**

|                     |       |                                                                                                                                                        |
|---------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>REP FIRM</b>     | _____ | <b>KN-4</b>                                                                                                                                            |
| <b>SUBMITTED BY</b> | _____ |                                                                                                                                                        |
| <b>JOB NAME</b>     | _____ |                                                                                                                                                        |
| <b>ARCHITECT</b>    | _____ |                                                                                                                                                        |
| <b>ENGINEER</b>     | _____ |                                                                                                                                                        |
| <b>CONTRACTOR</b>   | _____ |                                                                                                                                                        |
| <b>DATE</b>         | _____ | <b>Category II or Category IV Appliance</b><br>(see Installation and Operation Manual for venting information)                                         |
|                     |       |  A Division of Mestek, Inc.<br>Westfield, MA 01085<br>833-265-5371 |