

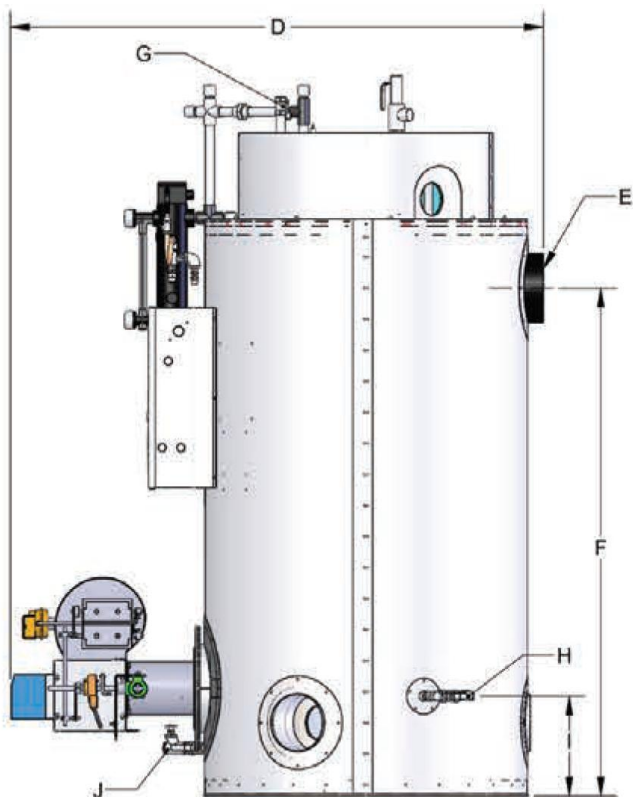
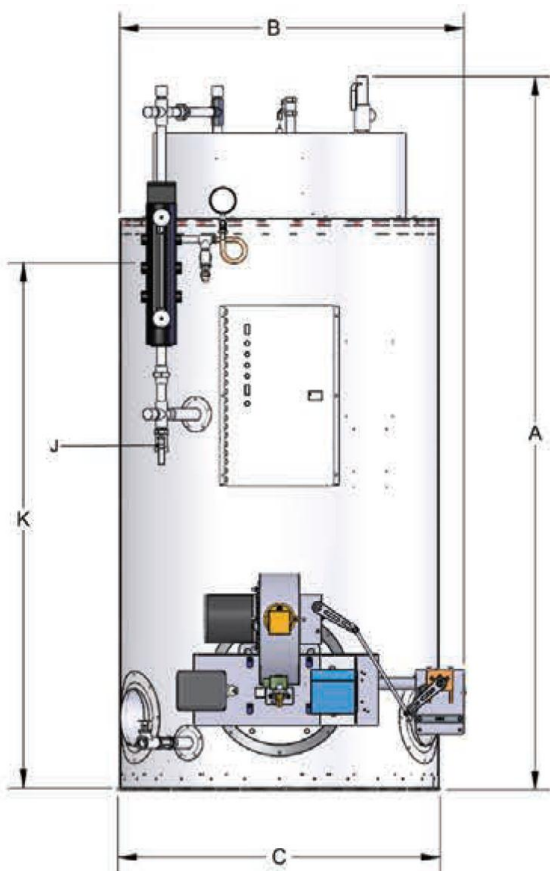


VT SERIES

VT FEATURES

- 150 PSI steam boiler (15 and 250 PSI also available)
- 10 - 60 BHP
- 399 - 2,520 MBTU/hr
- ASME Section I heat exchanger
- Vertical, tubeless, 3 pass design
- Submerged, water cooled furnace
- Wet leg design
- Extended heating surface fins
- CSD-1 compliant
- High dome design for quick draw & drier steam
- 3/8" Thick shell
- 16 Gauge steel jacketing
- High efficiency low-high-low and modulating burners available
- Low emission burners available
- Bottom mounted burner for fast & easy service





VT SPECIFICATIONS AND DATA

MODEL NUMBER: VT-10 VT-15 VT-20 VT-25 VT-35* VT-50* VT-60*

RATINGS

| | | | | | | | |
|------------------------------------|------------|------------|------------|------------|-------------|-------------|------------|
| Horsepower | 9.5 | 15 | 20 | 25 | 35 | 50 | 60 |
| Gas Input (BTU per hour) | 399,000 | 630,000 | 840,000 | 1,050,000 | 1,470,000 | 2,100,000 | 2,520,000 |
| Oil Input (Gals. per hour) | 2.85 | 4.50 | 6.00 | 7.50 | 10.50 | 15.00 | 18.00 |
| Output (BTU per hour) | 320,000 | 504,000 | 672,000 | 840,000 | 1,176,000 | 1,680,000 | 2,016,000 |
| Output (Lbs. steam per hour) | 320 | 517 | 690 | 862 | 1207 | 1725 | 2070 |
| Maximum Allowable Working Pressure | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Water Capacity (Gals.) | 52 | 70 | 86.5 | 110 | 140 | 240 | 414 |
| Steam Release Surface Area | 389 sq in | 389 sq in | 501 sq in | 627 sq in | 817 sq in | 1402 sq in | 1887 sq in |
| Hand Hole Sizes | (3)3x3-3/4 | (3)3x3-3/4 | (4)3x3-3/4 | (4)3x3-3/4 | (4) 3x3-3/4 | (4) 3x3-3/4 | (4)3x3-3/4 |

BOILER DIMENSIONS

| | | | | | | | |
|---|------------|------------|------------|---------|---------|----------|----------|
| A Boiler Height (includes piping) | 72" | 80" | 82" | 90" | 96" | 103" | 103.75" |
| B Boiler Diameter (left to right, packaged including M & M) | 34" | 36" | 39" | 42" | 43" | 56" | 63" |
| C Boiler Diameter (left to right, less trim & piping) | 30" | 34" | 37" | 40" | 43" | 56" | 63" |
| D Burner to Flue Outlet (approx.) | 56" | 58" | 59-1/2" | 64" | 71" | 94" | 96" |
| E Flue Outlet (diameter) | 6" | 8" | 8" | 10" | 12" | 12" | 14" |
| F Flue Outlet to Floor (centerline) | 48-1/4" | 56-1/4" | 57-1/4" | 61-5/8" | 69" | 76-1/4" | 77" |
| G Steam Outlet (IPS)* | 1" | 1" | 1" | 1-1/4" | 1-1/4" | 2" | 3" |
| H Feedwater Inlet (IPS) | 1/2" | 1/2" | 3/4" | 3/4" | 3/4" | 1" | 1" |
| I Feedwater Inlet to Floor (centerline) | 6-1/2" | 9-1/4" | 11-1/4" | 11-3/4" | 13-1/2" | 15-1/2" | 16" |
| J Blowdown Outlet (IPS) | 1" | 1" | 1" | 1" | 1" | 1-1/4" | 1-1/4" |
| K Normal Water Line to Floor | 42" | 59" | 59-1/2" | 67" | 71-1/2" | 81-1/2" | 83-1/2" |
| Approx. Floor Space | 3.25'x5.5' | 3.25'x5.5' | 3.25'x5.5' | 4' x 6' | 5' x 8' | 6' x 10' | 6' x 10' |

CRATED DIMENSIONS

| | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|
| Left to Right | 41-1/2" | 41-1/2" | 44" | 44" | 45-1/2" | 56" | 63" |
| Front to Rear | 67" | 67" | 72" | 72" | 77" | 96" | 98" |
| Height | 86" | 86" | 95" | 95" | 95" | 104" | 105" |
| Approx. Shipping Wt. (skidded & crated) | 1900 lb | 2500 lb | 3150 lb | 3450 lb | 4650 lb | 6200 lb | 7000 lb |

VT BOILER/BURNER UNITS: Completely assembled, piped, wired & factory tested with steam pressure gauge, water level gauge, gauge cocks with ball checks, gauge glass protector, steam safety valve, steam supply ball valve, boiler and water column blowdown valves, hand hole inspection plate assemblies, feedwater inlet ball valve & check valve, jacket and 3" poured refractory insulation, water column with probe type low water cut-off and pump control, additional probe type low water cut-off with manual reset, steam pressure control, steam hi-limit pressure control with manual reset, feed pump motor contactor, and UL listed burner with safety and operating controls. CSD-1 approval is standard on all boilers.

*VT-35 skid base 45" x 75" *VT-50 skid base 56" x 84" *VT-60 skid base 63" x 92" VT Boilers built for 15 psi steam have 3" outlet



Manufactured in the USA by
Pottstown Engineered Products, Inc.



DAS 7140
6/24