



B-1298

2019 4VT-GP2-50-150S/125W



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section I



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

| | |
|--------------------|------------------------------|
| MANUFACTURER (OEM) | Hurst |
| YEAR | 2019 |
| SERIAL NO. | V216-150-310 |
| NATIONAL BOARD NO. | 23878 |
| CRN NO. | R3167.5 |
| MODEL | 4VT-GP2-50-150S/125W |
| ASME CODE SECTION | Section I |
| TYPE | Tubeless Vertical |
| DESIGN | Four-Pass Vertical |
| MOUNTING | Skid-Mounted Package |
| INTERNAL | Four Serpentine Fin Passages |



CAPACITIES & INPUTS

| | |
|-------------------------------|---|
| OUTPUT SERVICE | HPS, LPS, & HHW |
| OUTPUT CAPACITY | 1,725 LB/HR (Steam) 168 GPM @ 20° ΔT - HHW |
| HORSEPOWER | 50 BHP |
| DESIGN PRESSURE (MAWP) | 150 PSIG |
| OPERATING RANGE | 30 - 140 PSIG |
| HEATING SURFACE | 216 FT ² |
| MAX. FUEL INPUT | NG: 2,100,000 BTU/HR #2: 15.0 GAL/HR |
| STANDARD FUELS ¹ | Natural Gas & #2 Fuel Oil |
| ADDITIONAL FUELS ² | - |
| INPUT GAS PRESSURE | 5.8 - 14.0 " WC |
| TURNDOWN RATIOS | NG: 2.8:1 #2: 2.7:1 |
| EMISSION RATING (NOX) | NG: 75 PPM #2: 90 PPM |

¹ Standard Fuels: Boiler comes ready to burn these fuels including fuel train, safety devices, integral wiring and delivery systems.

² Additional Fuels: Boiler is capable of running on these fuels but requires modifications to the burner, fuel delivery systems and wiring, at additional cost.





BURNER AND ELECTRICAL

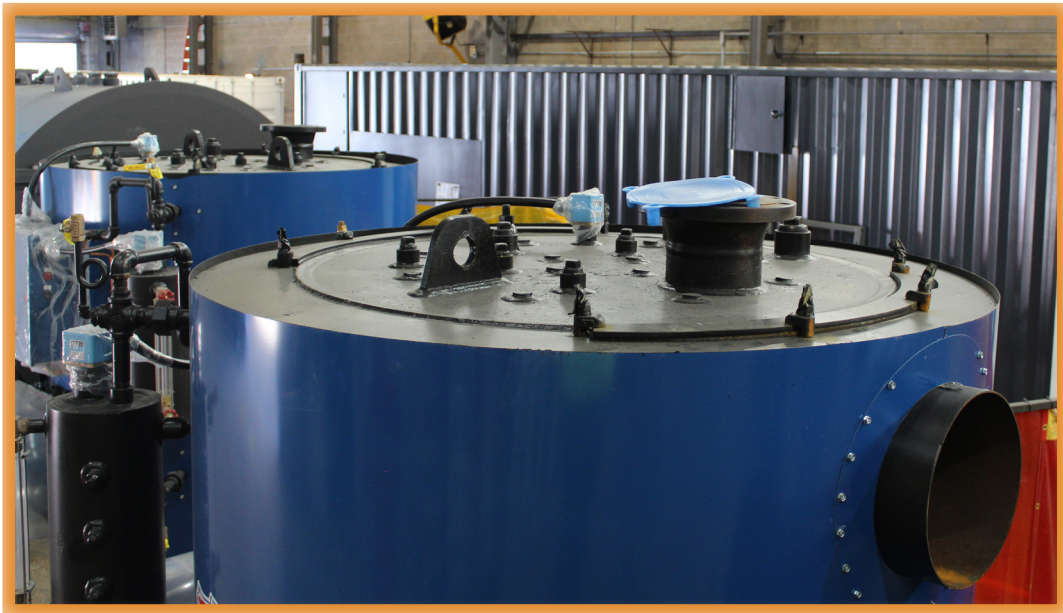
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|------------------------------|--------------------------|
| BURNER MANUFACTURER (OEM) | Power Flame |
| MODEL | C2-GO-20B |
| TYPE | LHO Operation |
| FLUE GAS RECIRCULATION (FGR) | No |
| ELECTRIC | 460V/3PH/60Hz |
| ATOMIZATION | Pressure |
| CONTROL TYPE | Single-Point Positioning |
| BOILER CONTROL SYSTEM | - |
| BURNER MANAGAMENT SYSTEM | RM7897C-1000 Honeywell |
| FLAME SAFEGUARD | UV Scanner |
| BLOW MOTOR | 1.5 HP ODP |
| BURNER INSTALLED | Yes |
| PILOT TYPE | NG, Spark |
| INSTRUMENT AIR | None |
| AIR COMPRESSOR | Not Required |





DIMENSIONS AND WEIGHTS

| | |
|------------------|--------------|
| OVERALL LENGTH | 11' 2" |
| OVERALL HEIGHT | 8' 9" |
| OVERALL WIDTH | 5' 11-1/2" |
| SHIPPING WEIGHT | 7,000 LBS |
| OPERATING WEIGHT | 9,000 LBS |
| BOILER OUTLET | 6" 150# FLG |
| BOILER RETURN | 3" NPT - HHW |
| EXHAUST OUTLET | 12" OD |



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