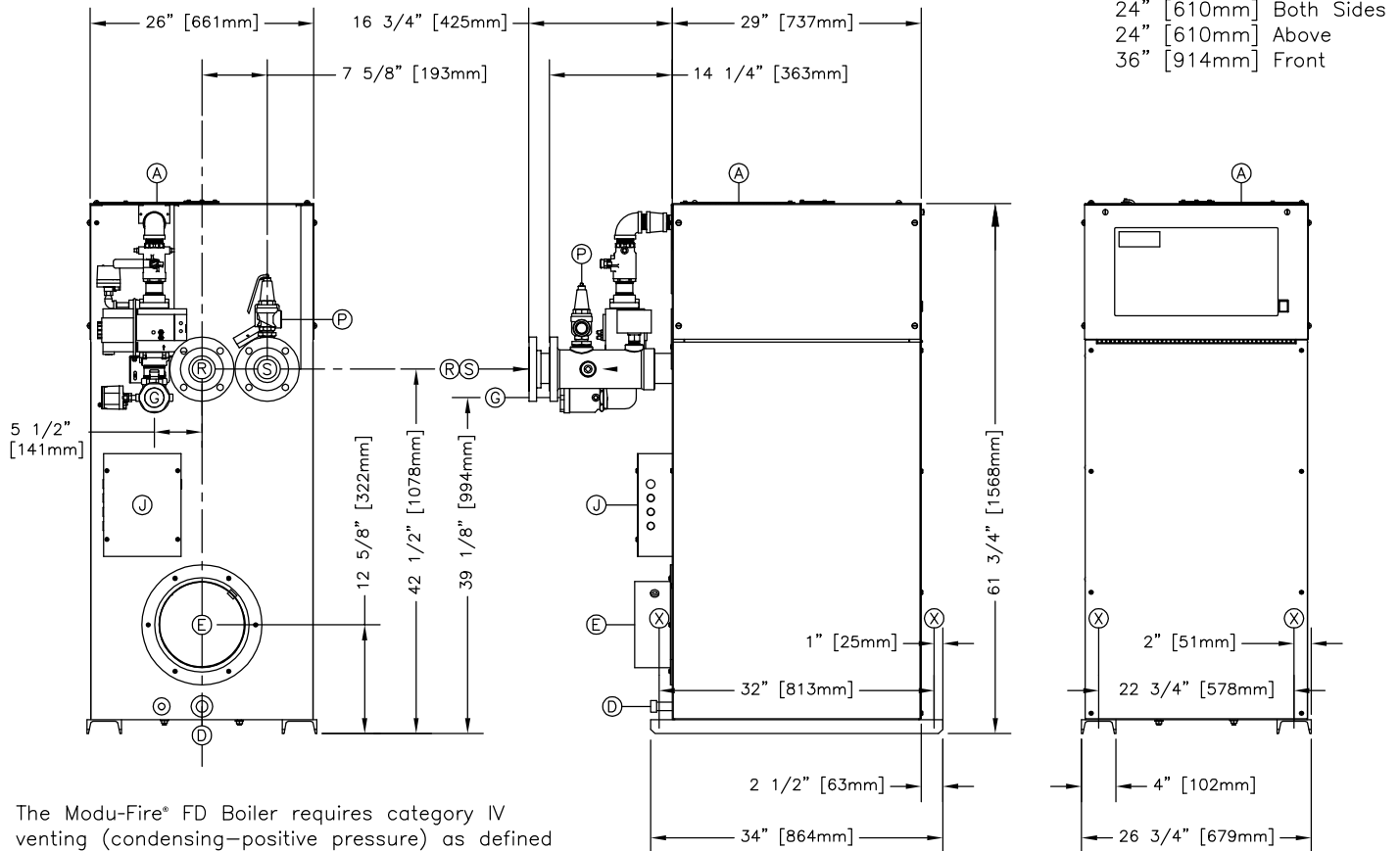


Modu-Fire® FD Model N3000MFD

ENVI™ Control



The Modu-Fire® FD Boiler requires category IV venting (condensing-positive pressure) as defined in ANSI Z223.1/NFPA 54/CSA-B.149 Latest Edition. Harsco Industrial, Patterson-Kelley reserves the right to make changes at any time without notification.

BOILER CONNECTIONS:	
(A) Combustion Air Inlet with Screen	11 3/4" square
(D) Boiler Drain	3/4" NPT-M
(E) Exhaust Vent	10" OD
(G) Main Gas Connection	2" NPT-F
(J) Wiring Junction Box	
(P) Pressure Relief Valve	see list for selection
(R) Boiler Water Return	3"-150# ANSI FLANGE
(S) Boiler Water Supply	3"-150# ANSI FLANGE
(X) Anchor Bolt Location	(4) 3/4" dia holes

BOILER CONTROLS: ASME CSD-1 is standard. Complies with GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3. Complies with FM Global 6-4/12-69 Section 1.0	
Main Gas Train: see gas train submittal	
Integrated Boiler Control, ENVI™ Series	
Operating Thermostat, 140°-220°F (60°-104°C)	
High Limit Thermostat, Manual Reset, 100-240°F (38°-116°C)	
High Exhaust Temperature Switch, Manual Reset	
High Exhaust Back Pressure Switch	
LWCO/Flow Switch, Paddle Type	
Air Switch, Differential Pressure Type	
Combustion Blower, Variable Speed	

FACTORY OPTIONS:	
<input type="checkbox"/>	Probe Type Low Water Cut Off, Manual Reset (factory installed)
<input type="checkbox"/>	Probe Type Low Water Cut Off, Manual Reset (shipped loose)

RATINGS AND CAPACITIES	
Fuel	Natural Gas (NG)
Input, BTU/hr	3,000,000max/600,000min
Output, BTU/hr	2,640,000max/528,000min
Boiler HP	78.9
Maximum Inlet Gas Pressure	14" w.c.
Minimum Inlet Gas Pressure	8" w.c.

Electrical Requirements	230v, 1ph w/neutral, 60hz
Total Operating Amps	less than 14 amps
Operating Weight	1185 lbs.
Water Content	12.6 gallons

A.S.M.E. Section IV Design Data	
Maximum Pressure	160 psig
Maximum Temperature	250°F
Heating Surface	357 sq ft
Flow Rate, GPM	175min/264max

Pressure Relief Valve/Press-Temp Gauge	
<input type="checkbox"/>	100 PSIG 1" x 1 1/4" (standard) 0-240psi/30-240°F
<input type="checkbox"/>	30 PSIG 1 1/2" x 2" 0-100psi/30-240°F
<input type="checkbox"/>	50 PSIG 1 1/4" x 1 1/2" 0-100psi/30-240°F
<input type="checkbox"/>	60 PSIG 1 1/4" 0-100psi/30-240°F
<input type="checkbox"/>	75 PSIG 1 1/4" 0-240psi/30-240°F
<input type="checkbox"/>	80 PSIG 1 1/4" 0-240psi/30-240°F
<input type="checkbox"/>	125 PSIG 1" 0-240psi/30-240°F
<input type="checkbox"/>	150 PSIG 3/4" x 1" 0-240psi/30-240°F

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