

MODU-FIRE® Forced Draft

Boiler Models N2500MFD & N3000MFD

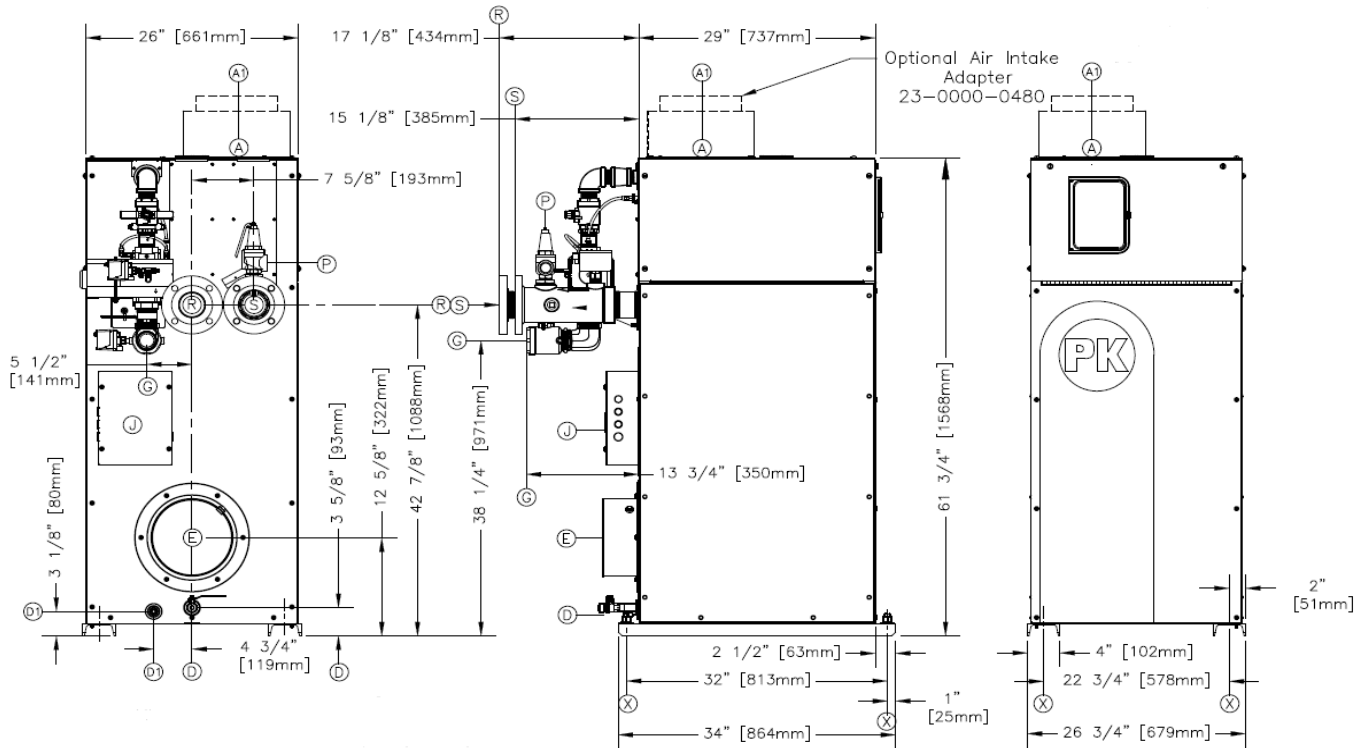


Rep Name: _____

Email: _____

Phone Number: _____

Date: / /



MODU-FIRE®/ FD boilers require Category II (condensing-negative pressure) or Category IV (condensing-positive pressure) venting as defined in ANSI Z223.1/NFPA 54/CSA-B.149 Latest Edition.

BOILER CONNECTIONS			MODEL SELECTION		
A	Combustion Air Inlet	8" dia. stub	Boilers	☐ N2500MFD	☐ N3000MFD
A1	Combustion Air Inlet (Optional Air Intake Adapter Installed)	10" dia	Fuel Options	☐ Natural Gas	
D	Drain (Heat Exchanger)	3/4" NPT-F	Turndown Ratio	5:1	6:1
D1	Drain (Fireside)	3/4" NPT-M	Min Inlet Gas Pressure	4" w.c.	
E	Exhaust Vent	10"	Max Inlet Gas Pressure	14" w.c.	
G	Natural Gas	2" NPT-F	Input (BTU/hr)	2,500,000	3,000,000
J	Wiring Junction Boxes	inside cabinet	Output (BTU/hr)	2,123,000	2,547,000
P	Pressure Relief Valve	see list for options	Min Input (BTU/hr)	500,000	500,000
R	Boiler Return	3"-150# ANSI Flange	Boiler HP	65.7	78.9
S	Boiler Supply	3"-150# ANSI Flange	Operating Weight	1185 lbs.	
X	Anchor Bolt Locations	(4) 3/4" dia holes	Shipping Weight	1220 lbs.	
			Boiler Water Content	12.6 gallons	
			Shipping Dimensions	54"x32"x68" (LxWxH)	54"x32"x70" (LxWxH)
			Power Supply	☐ 208-240V, 1ph, w/neutral, 60Hz	
			Operating Current	< 15 Amps	
			Recommended Minimum Circuit Capacity	10 Amps	

BOILER CONTROLS	
ASME CSD-1 is standard	
Complies with: GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3	
FM Global 6-4 Section 1.0	
Main Gas Train with Dual Shut Off	
Integrated Boiler Control, NURO Series	
Operating Thermostat, 130°-220°F (54.4°-104°C)	
High Limit Thermostat, Manual Reset, 100°-240°F (38°-116°C)	
High Exhaust Back Pressure Switch	
LWCO/Flow Switch, Paddle Type	
Combustion Air Proving Switch, Differential Pressure Type	
Combustion Blower, Variable Speed, 1864.3 Watts	

A.S.M.E. SECTION IV DESIGN DATA	N2500MFD	N3000MFD
Max Pressure	160 psig	
Max Allowable Temperature	250°F	
Max Setpoint	220°F	
Heated Wet Surface Area	357 sq. ft.	
Flow Rate @ 20°FΔT	212.3 GPM	254.7 GPM

PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE		
☐ 30 PSIG 1 1/2"x 2"	15-160 psi/0-250°F	
☐ 50 PSIG 1 1/4"x 1 1/2"	15-160 psi/0-250°F	
☐ 60 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
☐ 75 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
☐ 80 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
☐ 100 PSIG 1"x 1 1/4"	15-160 psi/0-250°F	
☐ 125 PSIG 1"x 1"	15-160 psi/0-250°F	
☐ 150 PSIG 3/4"x 1"	15-160 psi/0-250°F	

RECOMMENDED CLEARANCE FOR SERVICE ACCESS				
Front - 36"	Rear - 24"	Top - 24"	Left Side - 24"	Right Side - 24"

Notes:
- Victaulic is a registered trademark of Victaulic Company, Easton PA, USA
- Patterson-Kelley reserves the right to make changes at any time without notification



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