

MODU-FIRE® Forced Draft

Boiler Models N2500MFD & N3000MFD

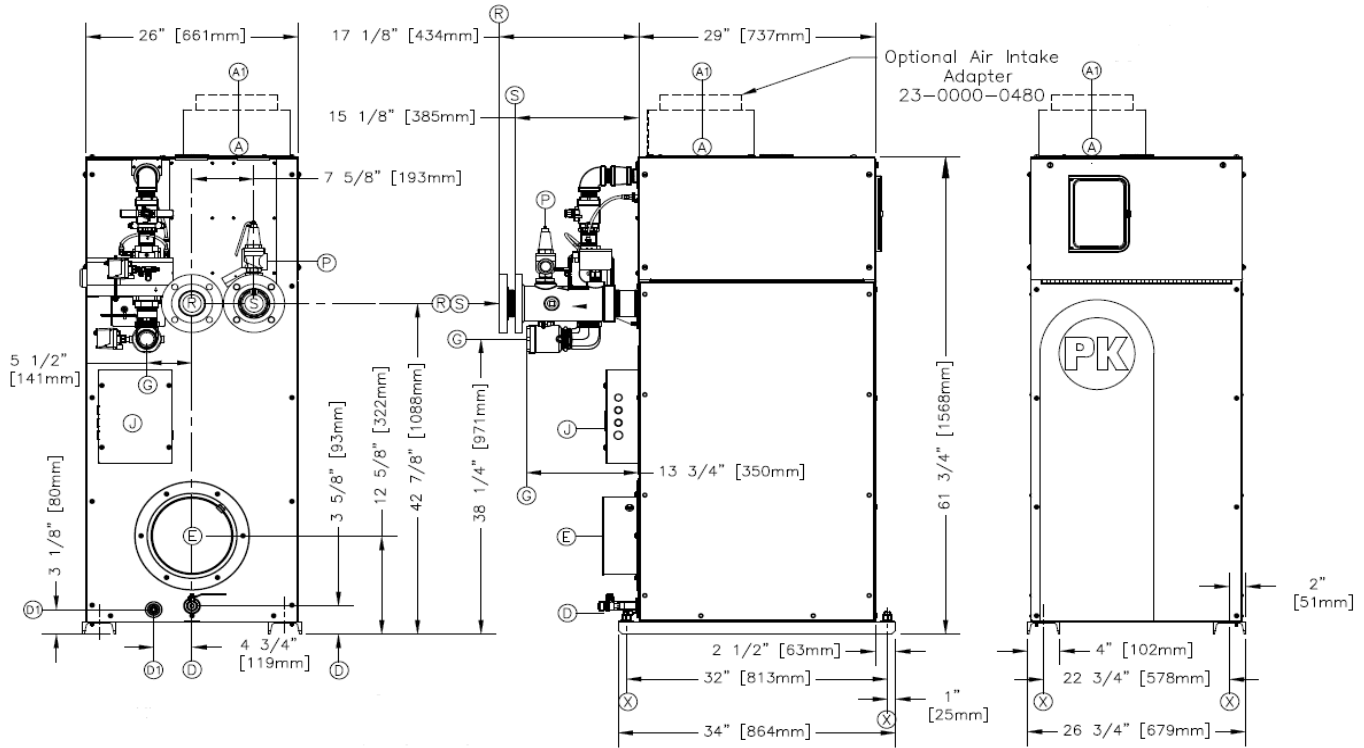


Rep Name: _____

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		
A	Combustion Air Inlet	8" dia. stub
A1	Combustion Air Inlet (Optional Air Intake Adapter Installed)	10" dia
D	Drain (Heat Exchanger)	3/4" NPT-F
D1	Drain (Fireside)	3/4" NPT-M
E	Exhaust Vent	10"
G	Natural Gas	2" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return	3"-150# ANSI Flange
S	Boiler Supply	3"-150# ANSI Flange
X	Anchor Bolt Locations	(4) 3/4" dia holes

MODEL SELECTION		
Boilers	<input type="checkbox"/> N2500MFD	<input type="checkbox"/> N3000MFD
Fuel Options	<input type="checkbox"/> Natural Gas	
Turndown Ratio	5:1	6:1
Min Inlet Gas Pressure	4" w.c.	
Max Inlet Gas Pressure	14" w.c.	
Input (BTU/hr)	2,500,000	3,000,000
Output (BTU/hr)	2,123,000	2,547,000
Min Input (BTU/hr)	500,000	500,000
Boiler HP	65.7	78.9
Operating Weight	1185 lbs.	
Shipping Weight	1220 lbs.	
Boiler Water Content	12.6 gallons	
Shipping Dimensions	54"x32"x68" (LxWxH)	54"x32"x70" (LxWxH)
Power Supply	<input type="checkbox"/> 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	

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

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
Flow Rate @ 40°FΔT	106.15 GPM	127.35 GPM

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

