

MODU-FIRE® Forced Draft

Boiler Models N1500MFD & N2000MFD

VELOX™

Boiler Models N1500VX, N1700VX, & N2000VX

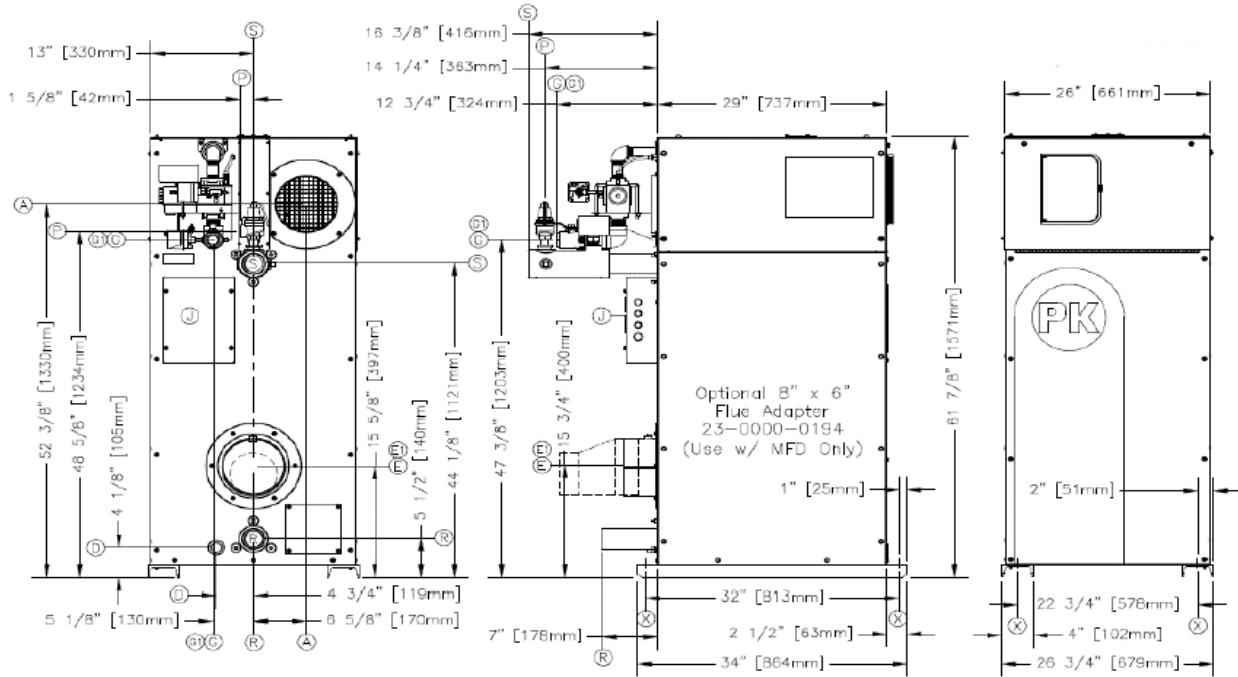


Rep Name: _____

Email: _____

Phone Number: _____

Date: / /



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

| BOILER CONNECTIONS | | |
|--------------------|--|----------------------|
| A | Combustion Air Inlet | 8" dia. stub |
| C | Drain (Fireside) | 3/4" NPT-M |
| E | Exhaust Vent | 8" |
| E1 | Exhaust Vent (With Adapter - MFD Only) | 6" |
| G | Main Gas Connection N1500 | 1 1/4" NPT-F |
| G1 | Main Gas Connection N1700/N2000 | 1 1/2" NPT-F |
| J | Wiring Junction Boxes | inside cabinet |
| P | Pressure Relief Valve | see list for options |
| R | Boiler Return | 2 1/2" NPT-M |
| S | Boiler Supply | 2 1/2" NPT-F |
| X | Anchor Bolt Locations | (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 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, 745.7 Watt |

| A.S.M.E. SECTION IV DESIGN DATA | N1500 | N1700 | N2000 |
|---------------------------------|-------------|-----------|---------|
| Max Pressure | 160 PSIG | | |
| Max Allowable Temperature | 250°F | | |
| Max Setpoint | 220°F | | |
| Heated Wet Surface Area | 206 sq. ft. | | |
| Flow Rate @ 20°FΔT | 127.5 GPM | 144.5 GPM | 170 GPM |

| MODEL SELECTION | | | | | | |
|--------------------------------------|--|-----------------------------|--------------------------------|--|--------------------------------|-----------------------------|
| Boilers | <input type="checkbox"/> N1500 | | <input type="checkbox"/> N1700 | | <input type="checkbox"/> N2000 | |
| Fuel Options | <input type="checkbox"/> NG | <input type="checkbox"/> LP | <input type="checkbox"/> NG | <input type="checkbox"/> LP | <input type="checkbox"/> NG | <input type="checkbox"/> LP |
| Min Inlet Gas Pressure | 4" w.c. | 7.0" w.c. | 3.5" w.c. | 7.0" w.c. | 3.5" w.c. | 7.0" w.c. |
| Max Inlet Gas Pressure | 14.0" w.c. | | | | | |
| Input (BTU/hr) | 1,500,000 | | 1,700,000 | | 2,000,000 | |
| Output (BTU/hr) | 1,275,000 | | 1,445,000 | | 1,700,000 | |
| Boiler HP | 38.0 | | 43.2 | | 50.8 | |
| Operating Weight | 985 lbs. | | | | | |
| Shipping Weight | 960 lbs. | | 960 lbs. | | 990 lbs. | |
| Boiler Water Content | 7.3 gallons | | | | | |
| Shipping Dimensions | 54"x32"x68" (LxWxH) | | | | | |
| Power Supply | <input type="checkbox"/> 120V 1ph 60Hz (VX ONLY) | | | <input type="checkbox"/> 208-220V 1ph 60Hz (MFD OR VX) | | |
| Operating Current | < 10 Amps | | | | | |
| Recommended Minimum Circuit Capacity | 10 Amps | | | | | |

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

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

