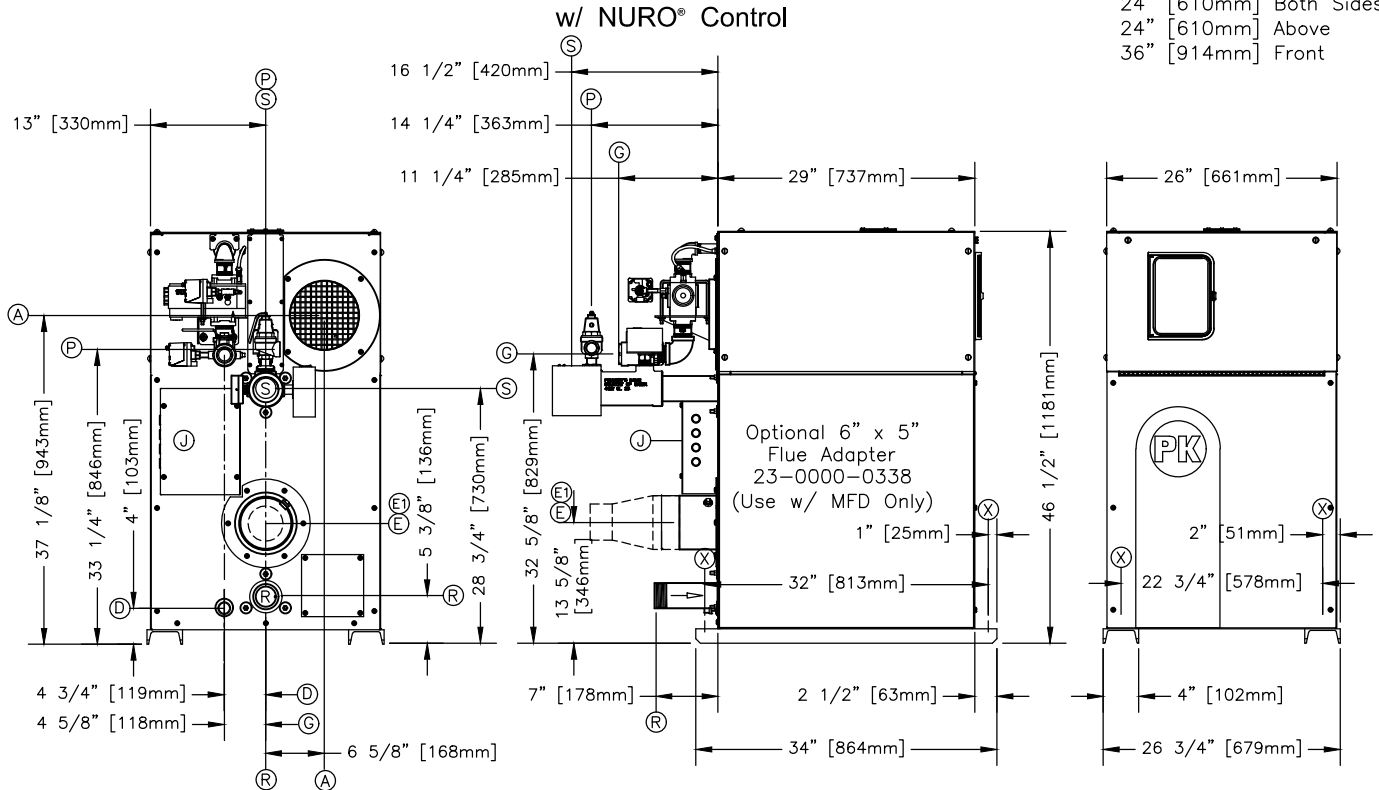


MODU-FIRE® Forced Draft Boiler Models N750MFD & N1000MFD

VELOX™ Boiler Models N750VX & N1000VX

Service Clearances:
 24" [610mm] Both Sides
 24" [610mm] Above
 36" [914mm] Front



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. Harsco Industrial, Patterson–Kelley reserves the right to make changes at any time without notification.

BOILER CONNECTIONS:	
(A) Combustion Air Inlet	8" dia
(D) Drain (Fireside)	3/4" NPT–M
(E) Exhaust Vent	6" OD Nominal
(E) Exhaust Vent (With Adapter – MFD Only)	5"
(G) Main Gas Connection	1 1/4" NPT–F
(J) Wiring Junction Box	
(P) Pressure Relief Valve	see list for selection
(R) Boiler Water Return	2 1/2" NPT–M
(S) Boiler Water Supply	2 1/2" NPT–F
(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, NURO® Series	
Operating Thermostat, 130°–220°F (54.4°–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, 0.5hp	

A.S.M.E. Section IV Design Data – "H" Stamp	
Maximum Pressure	160 psig
Maximum Temperature	250°F
Heating Surface	116 sq ft

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)

C.S.A. CERTIFIED RATINGS AND CAPACITIES		
Max Input BTU/Hr	750,000	1,000,000
Max Output BTU/Hr	638,000	850,000
Boiler HP	19.0	25.4
Max/Min Flow GPM	120/60	150/80
MFD Boiler Model	N750MFD	N1000MFD
Turndown Ratio	5:1	5:1
Min Input BTU/Hr	150,000	166,000
VELOX Boiler Model	N750VX	N1000VX
Turndown Ratio	1.2:1	1.6:1
Min Input BTU/Hr	604,000	610,000
Fuel	<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
Max Gas Pressure	14" w.c.	
Min Gas Pressure	NG–3.5" / LP–7" w.c.	
Power Requirements	<input type="checkbox"/> 120v, 1ph, 60hz (VELOX ONLY) <input type="checkbox"/> 208–240v, 1ph w/neutral, 60hz	
Max Operating Amps	Less than 6 Amps	
Operating Weight	800 Lbs.	
Water Content	6.2 Gallons	

Pressure Relief Valve/Press–Temp Gauge Shipped Loose for Field Installation		
<input type="checkbox"/>	30 PSIG 1 1/4"	0–100psi/70–320°F
<input type="checkbox"/>	50 PSIG 1"x 1 1/4"	0–100psi/70–320°F
<input type="checkbox"/>	60 PSIG 1"	0–100psi/70–320°F
<input type="checkbox"/>	75 PSIG 1"	0–240psi/70–320°F
<input type="checkbox"/>	80 PSIG 3/4"x 1"	0–240psi/70–320°F
<input type="checkbox"/>	100 PSIG 3/4"	0–240psi/70–320°F
<input type="checkbox"/>	125 PSIG 3/4"	0–240psi/70–320°F
<input type="checkbox"/>	150 PSIG 3/4"	0–240psi/70–320°F

HARSCO
INDUSTRIAL
Patterson-Kelley
 N750MFD–N1000MFD&N750VX–N100VX _NURO
 02.14.19