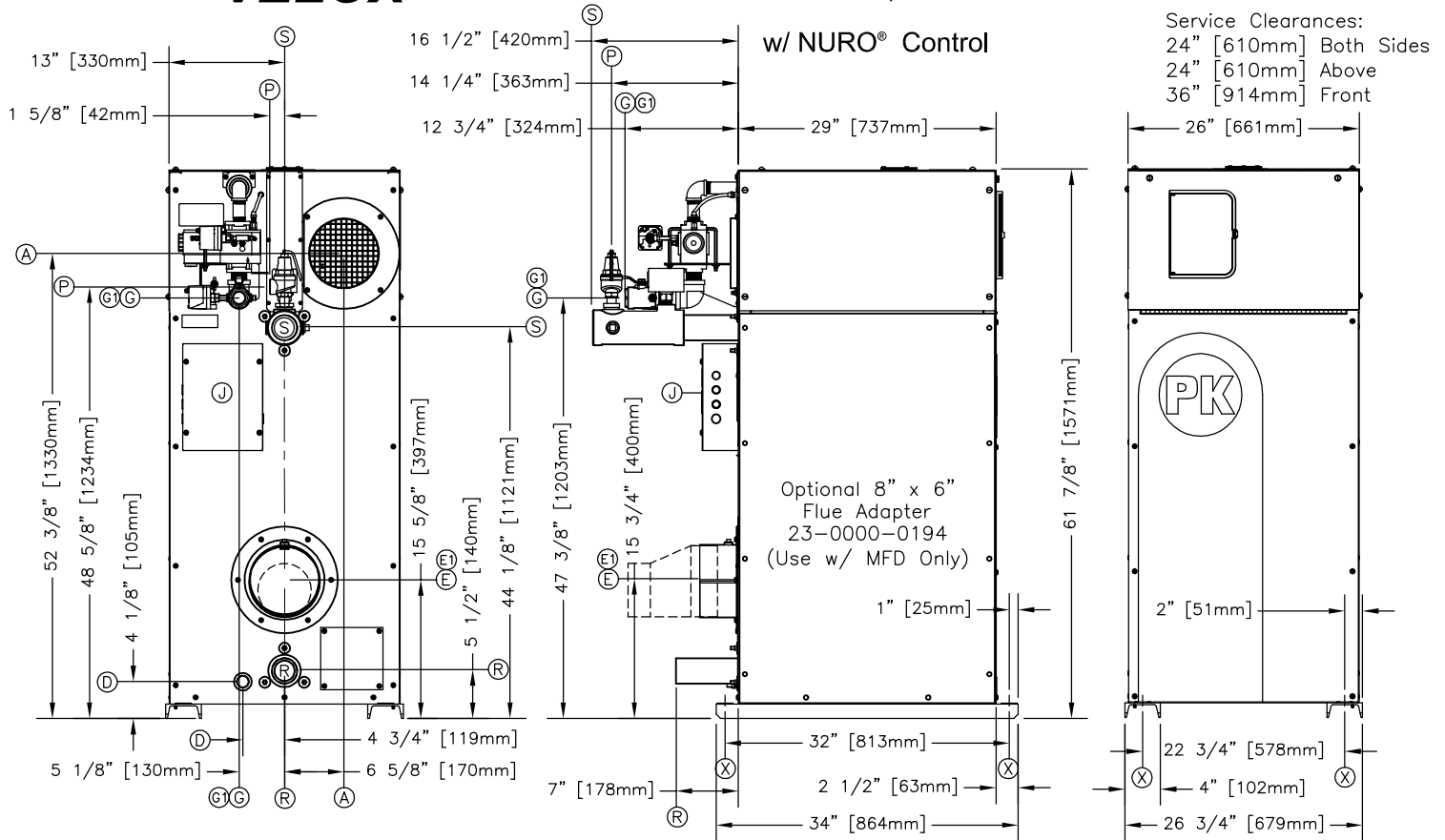


MODU-FIRE® Forced Draft Water Heater Models W1500MFD & W2000MFD

VELOX™ Water Heater Models W1500VX, W1700VX & W2000VX



MODU-FIRE® FD water heaters require Category II (condensing–negative pressure) or Category IV (condensing–positive pressure) venting and VELOX™ water heaters 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.

WATER HEATER CONNECTIONS:	
(A) Combustion Air Inlet	8" dia
(D) Drain (Fireside)	3/4" NPT–M
(E) Exhaust Vent	8" OD Nominal
(E) Exhaust Vent (With Adapter – MFD Only)	6"
(G) Main Gas Connection N1500	1 1/4" NPT–F
(G) Main Gas Connection N1700/N2000	1 1/2" NPT–F
(J) Wiring Junction Box	
(P) Pressure Relief Valve	see list for selection
(R) Domestic Water Return	2 1/2" NPT–M
(S) Domestic Water Supply	2 1/2" NPT–F
(X) Anchor Bolt Location	(4) 3/4" dia holes

WATER HEATER 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 Water Heater Control, NURO® Series	
Operating Thermostat, 140°–190°F (60°–88°C)	
High Limit Thermostat, Manual Reset, 100–197°F (38°–92°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, 1hp	

A.S.M.E. Section IV Design Data – "HLW" Stamp	
Maximum Pressure	160 psig
Maximum Temperature	210°F
Heating Surface	206 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	1,500,000	1,700,000	2,000,000
Max Output BTU/Hr	1,275,000	1,445,000	1,700,000
Equivalent Boiler HP	38.0	43.2	50.8
Recovery Rate GPH 40°F to 140°F	1545	1750	2060
Max/Min Flow GPM	150/90	165/100	180/120
MFD W.H. Model	W1500MFD	–	W2000MFD
Turndown Ratio	6:1	–	6:1
Min Input BTU/Hr	250,000	–	335,000
VELOX W.H. Model	W1500VX	W1700VX	W2000VX
Turndown Ratio	1.5:1	1.6:1	1.8:1
Min Input BTU/Hr	1,005,000	1,050,000	1,100,000
Fuel	<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas		
Max Gas Pressure	14" w.c.		
Min Gas Pressure	NG–4" w.c.		NG 3.5" w.c.
	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 10 Amps		
Operating Weight	985 Lbs.		
Water Content	7.3 Gallons		

Pressure Relief Valve/Press–Temp Gauge Shipped Loose for Field Installation	
<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

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