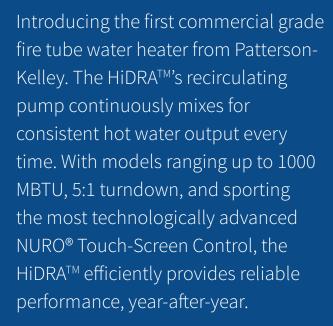


P-K HIDRATM

Instantaneous Condensing Hot Water Heater



Specifications

- Dimensions: 54" D x 34.5" W x 85" H
- Water Content: 128 Gallons
- 150 PSI Pressure Vessel
- Electrical Requirements: 120 VAC, 60 Hz

Options and Accessories

- Tie-in for Building Recirculation is Standard, Building Recirculation Pump is Optional
- Cascading Domestic Hot Water Mode



FEATURES

- ✓ Up to 1000 MBTU Hot Water Demand
- ✓ Instantaneous Condensing Hot Water Heater with HLW Stamp
- ✓ Duplex Alloy Stainless Steel Storage Tank and Heat Exchanger
- ✓ Dedicated Recirculating Pump
- Helically Coiled Single Pass Heat Exchanger
- ✓ NURO® Touch Screen Control System with NURO® Connect

ADVANTAGES

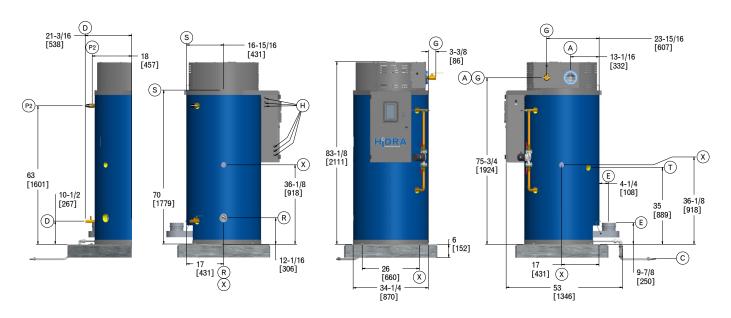
- ✓ Up to 99% efficient at partial load
- ✓ Standard: Fully Modulating 5:1 Turndown
- ✓ Anticipated Temperature Control to Rapidly Respond to Varying Flow Conditions
- √ 15 Year Warranty
- ✓ ASME / CSA Certified
- Meets ASHRAE 90.1
- ✓ NSF Compliant
- ✓ ASME Section IV HLW Rated

Because we are continuously evolving our products, descriptions and technical data are subject to change without notice.

Contact your local Harsco Industrial Patterson-Kelley representative for the most up-to-date information and product application support.

P-K HIDRATM

Instantaneous Condensing Hot Water Heater



Primary dimensions are in inches. The secondary dimensions, [in brackets], are in millimeters.

This HiDRA water heater requires Cat. IV venting (condensing-positive pressure) or Cat. II venting[†] (condensing-negative pressure as defined in ANSI Z223.1/NFPA 54/CSA-B.149 latest edition. [†]Category II venting must include the optional combustion air damper

WATER HEATER CONNECTIONS						
А	Combustion Air Inlet 6" dia. stub					
С	Condensate Drain	3/4" hose				
D	Tank Drain Valve	1" NPT-F				
Е	Exhaust Vent	6"				
F	Heat Exchanger Drain	3/4" NPT				
G	Natural Gas	1" NPT-F				
Н	Wiring Junction Boxes	inside cabinet				
P1	Pressure Relief Valve	options available				
P2	T&P Relief Valve	options available				
R	Hot Water Return	2" NPT				
S	Hot Water Supply	2" NPT				
Т	Building Recirculation	1" NPT				
Х	Anchor Bolt Locations	(6) 1/2" Bolt Holes				

A.S.M.E. SECTION IV DESIGN DATA	HC-800	HC-1000	
Max Pressure	160 PSIG 210°F		
Max Allowable Temperature			
Max Operating Temperature	180°F		
Heated Surface Area, Section IV	107.81 sq. ft.	132.96 sq. ft.	
Recovery Rate (70°-140°F)	1289 gph	1611 gph	
Recovery Rate (40°-140°F)	902 gph	1128 gph	

MODEL SELECTION			
Water Heaters	HC-800	HC-1000	
Fuel Options	Natural Gas	Natural Gas	
Min Inlet Gas Pressure	3.5" W.C		
Max Inlet Gas Pressure	14" W.C.		
Max Input (BTU/hr)	800,000	1,000,000	
Max Output (BTU/hr)	752,000	940,000	
Water Heater HP	23.9	29.9	
Min Input (BTU/hr)	160,000	200,000	
Turndown Ratio	5:1	5:1	
Estimated Operating/ Shipping Weight	1920 lbs/1000 lbs	1920 lbs/1000 lbs	
Domestic Water Content	128 Gallons		
Shipping Dimensions	60" x 36" x 92"		
Power Supply	110/120V 1PH 60 hz		
Operating Current	< 7 amps	< 10 amps	
Recommended Minimum Circuit Capacity	10 amps		

RECOMMENDED CLEARANCE FOR SERVICE ACCESS							
Front - 24"	Rear - 0"	Top - 16"	Left Side - 0"	Right Side - 0"			





