

SYSTEM SPECIFICATIONS

Model	Electric Instantaneous Water Heater	H ₂ OT SHOT (HC series)
System	In-line heater for single pass systems with recirculating options available.	
Performance Specifications	Heater Power	3-144 kW
	Maximum Outlet Temp	185°F (85°C), dependent upon operating conditions (high temp options available)
	Temperature Regulating Accuracy	±1°F (±1°C), dependent upon operating conditions
	Flow Rate Ranges	1 to 15 gpm (3.8 to 56.8 lpm) 3-48 kW 3 to 30 gpm (11.4 to 113.6 lpm) 54-144 kW
	Maximum Pressure Rating	100 psig (7030 g/cm ²)
Components and Construction	Temperature Controller	Micro-processor based PID controller, factory pre-set
	Firing Circuit	Zero cross, burst fired, solid state relays (SSR)
	Temperature Sensor	Type J thermocouple
	Heating Element	Titanium tubular heating elements inside titanium containment tube
	Material of Wetted Parts	Grade 2 CP titanium, PVDF, FEP
	Inlet / Outlet Connections	¾" MNPT standard, other connections available
Safety Functions	Emergency stop switch (EMO)	
	High process temperature alarm	
	Low flow monitoring	
	Element sheath overtemp thermostats	
	Main circuit breaker; GFP standard on 3-48 kW models, optional on 54-144 kW models	
Power Supply	208-600 VAC, 3φ (1φ available on some models)	