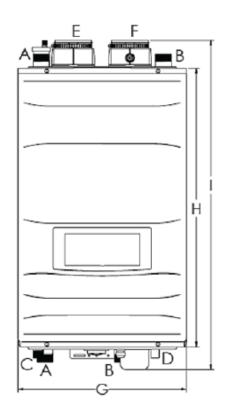


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☐ Condensate Neutralizer (7450P-212)

Crossover Wall Mounted Hybrid Commercial Tankless Water Heater Submittal Sheet Model: CGH-199W

IIIC	, doi: 0011 10011						
JOB NAME:							
LOCATION:							
ARCH. / ENGR.:							
WHOLESALER:							
MECH. CONTRACTOR:							
MODEL NUMBER:	BTU/HR INPUT LOW - HIGH FIRE:						
TYPE OF GAS:							
NOTES:							
 Heat Exchanger 316 Stainless Steel Heat Exchanger Fire Tube Heat Exchanger, gasketless, vertical tube combustion heat exchanger design – provides maintenar free operation on internal buildup of material inside the combustion chamber Fire Tube Heat Exchanger design provides high efficient and low pressure drop in a very compact size High Fin Aluminum inner insert provides superior heat transfer to transmit energy more efficiently Combustion System Modulating burner with up to 10 to 1 turndown 199 Model Operates from 19,900 – 199,000 BTU/Hr 199 Model UEF of up to .92 High Grade Ceramic Fiber Burner Design Spark Ignition Models Available for Natural or LP Gas Optical Flame monitoring 	 Vents in Plastic PVC – CPVC – ULC S636 flexible polypropylene vent liner (chimney lining only) - Stainless 						
Integrated Control System Digital operating control and display to program and monitor water heater operation Freeze protection Two 120 Volt outputs – Heater Pump and System Pump Fault codes to assist in trouble shooting faults System Parameter monitoring	☐ 2" Vent Screens (7850P-088) ☐ 3" Polypro Flex Vent Kit (8400P-001) ☐ 3" (80mm) PP Concentric Vent Kit (KGAVT0601CVT) ☐ 3" Stainless Steel Termination Vent Kit (V1000) ☐ 4" Stainless Steel Termination Vent Kit (V2000)						



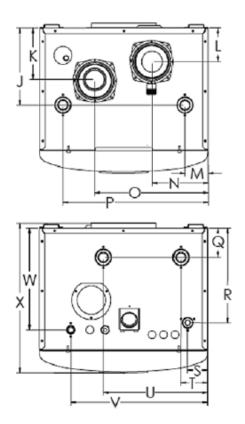


Figure 1 – Specifications and Dimensions

						Description							Diameter						
A						DHW Outlet Adapter							1 1/4" NPT						
В						DHW Inlet Adapter						1 1/4" NPT							
С						Gas Inlet Adapter						3/4" NPT							
D						Condensate Adapter						1/2" NPT							
E							Air Intake Adapter							3"					
F							Exhaust Vent Adapter							3"					
Model	G	Н	I	J	K	L	M	N	0	Р	Q	R	S	Т	U	٧	W	Х	
199	19.7	31.9	37	7.2	5.1	3.2	3.75	5.8	12.5	17.5	4	11.1	2.1	2.2	11.7	15.8	11.8	16.8	

Table 1 – Specifications and Dimensions

Model		199						
Installation		Indoor, Wall Hung, Fully Condensing						
Minimum / Maximum Input (Btu/Hr)		19,900 / 199,000						
Uniform Energy Factor (UEF) / Thermal Efficiency (TE)		0.92 / 95%						
FI	ue System	Sealed Combustion Direct Vent, Power Vent						
•	Vent Run	2" (50 feet), 3" (100 feet), Schedule 40 PVC, CPVC, PP						
W	eight (lbs)	110						
Orifice Size	NG	8.3 mm (0.327")						
Office Size	LP	6.2 mm (0.240")						
Gas Supply Pressure	NG	3.5" to 14" WC						
	LP	3.3 to 14 WC						
Manifold	Min (3")	NG: 0.003" / LP: 0.004" WC						
Pressure	Max (3")	NG: -0.19" / LP: -0.20" WC						
Power	Main Supply	120V 60 Hz, 6A						
Supply	Maximum Power Consumption	160W						
General Op	perating Conditions	Ambient Temperature Range: 33 – 104°F (0.6 – 40°C) Operating Relative Humidity: Up to 90% at 140°F (40°C) Shipping and Storage Temperature Range: -4 – 176°F (-20 – 80°C) Power Supply and Communication (CN4): 14V DC Product Approvals and Requirements EMC: 89/336/EEC LVD: 73/23/EEC						
lgni	tion System	Direct Electronic Ignition / Automatic Flame Sensing						
Burner System		Single Orifice Premixed Fuel Modulation / Ceramic Fiber Burner						
Gas '	Valve System	Air Ratio Valve						
Minim	um Flow Rate	Zero activation with storage tank						
Internal Pipe Material		Copper						
Di	imensions	W 19.7" - H 32" - D 16.3"						
Heat Excha	nger Water Capacity (DHW)	3.5 Gallons						
Control Par	nel / Main Controller	P-950CH / NGTH-10CH						
Wat	ter Pressure	Min 12 - Max 150 PSI						
DHW Setpoint Temperature Range		95 – 160 ⁰ F (35 – 71 ⁰ C)						
Connection	Cold Water Inlet / Hot Water Outlet	1 1/4" NPT						
Sizes	Gas Inlet	3/4" NPT						
Materials	Cabinet	Cold Rolled Carbon Steel						
waterials	Heat Exchanger	316L Stainless Steel						
Safety Devices		Optical Flame Sensor, Burner Plate High Limit (392°F), Water Temperature High Limit Sensor (203°F), Water Leak Detection, Freeze Protection (Three Stage Operation - Activates at 46°F – See Freeze Protection in Installer Menu for Details), Exhaust Temperature High Limit Sensor (190°F), Flue Air Pressure Switch, Condensate Switch, Built-In Low Water Cut-Off Probe						

Table 2 – Technical Specifications - NOTE: HTP reserves the right to make product changes or updates without notice and will not be held liable for typographical errors in Literature.