

Conquest® Semi-Instantaneous GAS CONDENSING WATER HEATER

AquaPLEX® Storage Tank and Heat Exchanger (duplex stainless steel) • 100 Gallon Tank

MODEL ▼	INPUT BTU	RECOVERY GPH (Thermal Efficiency)		**GAS CONNECTION NPT	**VENT DIAMETER (5 elbows maximum)	OPERATING Weight (lbs)
		70°F to 140°F ①	40°F to 140°F ②			
20 L 100A-GCL	199,900	326 (95%)	233 (97%)	3/4	3" @ 100 eq. ft.	1470
25 L 100A-GCL	250,000	408 (95%)	291 (97%)			
30 L 100A-GCL	300,000	490 (95%)	349 (97%)			

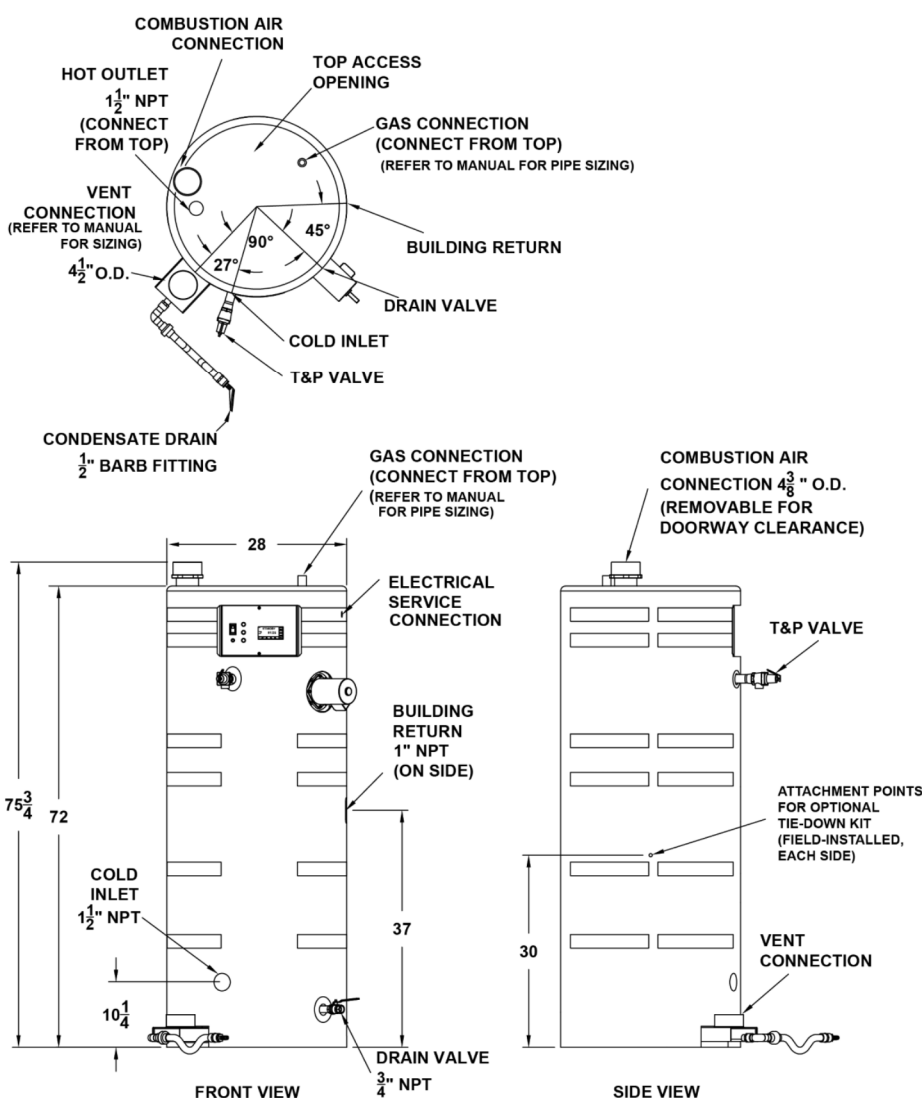
① Recoveries and thermal efficiency based upon DOE 10 CFR 431 testing per ANSI Z21.10.3 @ 70°F to 140°F.

② Recoveries and thermal efficiency based upon 40°F entering water temperature.

Dimensions are in inches unless otherwise indicated.

For standard and optional equipment, refer to form PV 8550.

Empty weight is 635 pounds and shipping weight is 750 pounds (all models)



Standard Electrical Service

120VAC, 1Ø, 60 Hz. 5 amps.

Venting

Use a Category IV PVC, CPVC or ETL, UL, ULC or CSA listed stainless steel or Centrotherm InnoFlue SW Polypropylene vent, minimum vent length 5 eq. feet.

Do not size vent based only upon connection diameter at the appliance. Refer to installation manual for sizing requirements.

Inlet Combustion Air Duct

Up to 100 eq. ft. using 3" PVC or galvanized vent pipe.

Longer lengths are ETL listed through larger diameter pipe. Refer to installation manual.

Gas Pressure - Natural

Minimum inlet flow pressure 3.5" W.C. Maximum static pressure 14.0" W.C. For LP gas, refer to installation manual.

Minimum Clearance from Combustibles

Zero clearance from sides and rear, 24" from front, 15" from top. Can be installed directly on a combustible floor.

Recommended Service Clearances

18" from all sides. Check local and national codes for additional clearance requirements.

Emissions

All models < 20 ppm NOx.

PVI reserves the right to change the design and specification without notice.



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** Do not size vent and gas line based only upon connection diameter at the appliance. Refer to installation manual for sizing requirements.