### 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	**VENT DIAMETER	OPERATING
		70°F to 140°F	40°F to 140°F ②	CONNECTION NPT	(5 elbows maximum)	Weight (lbs)
20 L 100A-GCL	199,900	326 (95%)	233 (97%)			
25 L 100A-GCL	250,000	408 (95%)	291 (97%)	3/4	3" @ 100 eq. ft.	1470
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.

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)



#### **COMBUSTION AIR** CONNECTION **TOP ACCESS HOT OUTLET** OPENING 1<sup>1</sup>/<sub>2</sub>" NPT (CONNECT GAS CONNECTION **FROM TOP)** (CONNECT FROM TOP) REFER TO MANUAL FOR PIPE SIZING) **VENT** CONNECTION (REFER TO MANUAL FOR SIZING) BUILDING RETURN 4<sup>1</sup>/<sub>2</sub>"O.D. DRAIN VALVE **COLD INLET** T&P VALVE CONDENSATE DRAIN **GAS CONNECTION COMBUSTION AIR** 1" BARB FITTING (CONNECT FROM TOP) CONNECTION $4\frac{3}{8}$ " O.D. (REMOVABLE FOR DOORWAY CLEARANCE) **ELECTRICAL** SERVICE CONNECTION T&P VALVE BUILDING RETURN (ON SIDE) 75<sup>3</sup>/<sub>4</sub> 72 ATTACHMENT POINTS TIE-DOWN KIT (FIELD-INSTALLED. COLD INLET 1<sup>1</sup>/<sub>2</sub>" NPT 37 VENT 30 CONNECTION

DRAIN VALVE

<u>3</u>" NPT

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

FRONT VIEW







 $10\frac{1}{4}$ 



#### 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 eg. 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.

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

SIDE VIEW

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