

PREMIER® POWER VENT

90% Efficient Residential Gas Water Heaters



The Premier Power Vent is a 50-gallon, 76,000 BTU residential gas water heater, equipped with a fully submerged, spiral-shaped condensing heat exchanger. This design provides a much greater heat transfer surface than a standard straight flue tube, resulting in 90% thermal efficiency and higher hot water output than a standard 78% efficient water heaters. With a 22" diameter, Premier Power Vent can be installed in less space than a 75-gallon unit and delivers greater recovery and lower operating costs. The Premier Power Vent is so advanced, it can deliver "continuous hot water for shower after shower" ...a constant flow of over 3 gallons per minute.*



Series 100

Power Vent Design for Installation Versatility

- Modular blower, with 120 volt, 60Hz electrical system (5 amps or less), 6-foot cord with standard 3-prong connector
- Combined horizontal and vertical vent runs terminating through outside wall, using Schedule 40 PVC pipe as follows:
 - 2" pipe allows vent runs up to 45 equivalent feet
 - 3" pipe allows vent runs up to 128 equivalent feet
- Can be vented vertically thru-the-roof or horizontally thru-the-wall
- Supplied with PVC pipe and elbows to connect heat exchanger outlet to blower, including condensate elbow and drain, and PVC Vent Attenuation Assembly (VAA)

ENERGY STAR® Qualified

Side-Mounted Taps for Recirculating Systems

- Hot and cold "side taps" allow Premier Power Vent to be used for "combination" systems for water heating plus space heating, radiant floor heating or other applications requiring a recirculating hot water loop
- Plugs for recirculating taps are shipped with water heater

Intelli-Vent™ Gas Control with Silicon Nitride Hot Surface Ignitor

- Premium-grade hot surface ignitor eliminates standing pilot
- Electronic circuitry provides superior system diagnostic capabilities plus extremely precise temperature control

Commercial-Grade Glass Lining with Two Heavy Duty Anode Rods

- Superior protection against tank corrosion
- Glass lining protects all "water side" tank surfaces plus inside of internal heat exchanger exposed to condensate

Low NOx Green Choice® Burner

- Reduces NOx emissions by up to 33% and meets low NOx emission requirements of less than 40 ng/j

PEXAN™ Diffuser Dip Tube

- Helps reduce lime and sediment buildup, maximize hot water output
- PEXAN cross-linked polymer withstands long-term exposure to temperatures up to 400°F



CSA Certified and ASME Rated T&P Relief Valve

Maximum Hydrostatic Working Pressure: 150 psi

Code Compliance

- Design-certified by Underwriter's Laboratories (UL), Inc., according to ANSI Z21.10.3 - CSA 4.3 Standards
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and Current edition of ASHRAE/IESNA 90.1 and meets the Federal Energy Efficiency Standards effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992.

GAS-FIRED



Six-Year Limited Tank and Parts Warranty

- Consult written warranty shipped with water heater or contact State for complete warranty information

*3.07 GPM continuous flow based on 65°F inlet water temperature, 110°F outlet temperature.

*Intelli-Vent™ is a registered trademark of Emerson Electric Company

For more information on Premier® contact:
State Water Heaters
500 Tennessee Waltz Parkway, Ashland City, TN 37015
800.365.0024 Toll-free USA
www.statewaterheaters.com

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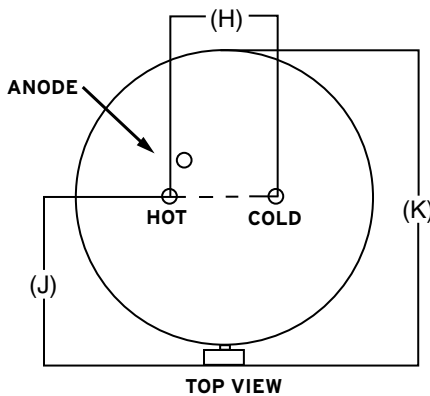
MODEL NUMBER	R VALUE	BTU INPUT PER HOUR	GALLON CAPACITY	FIRST HOUR DELIVERY GALLONS	RECOVERY 90°F RISE GALLONS PER HOUR	SHIPPING WEIGHT LBS
GP6 50 YTVIT	16	76,000	50	127	92	210

Natural gas only

DIMENSIONS IN INCHES

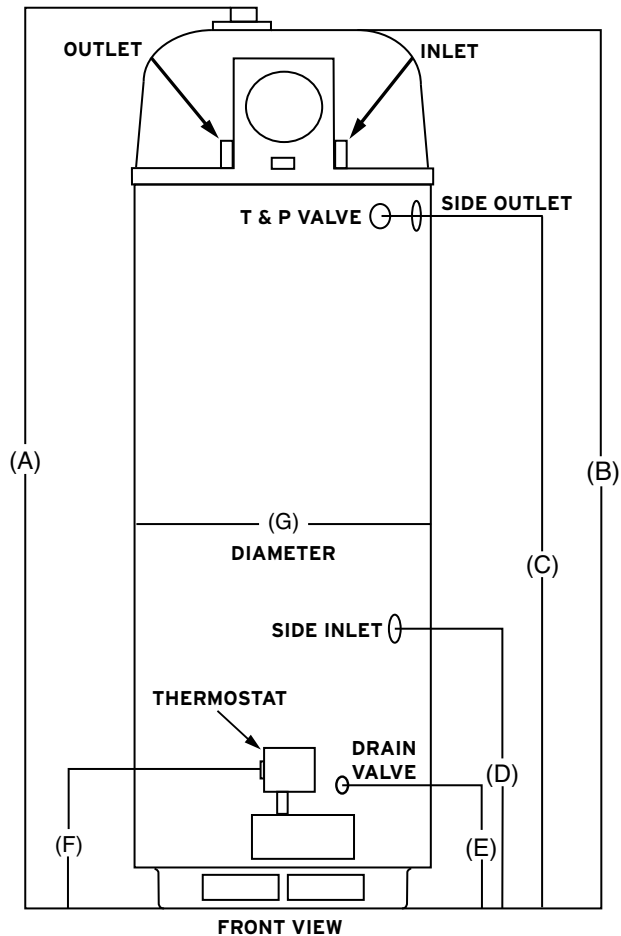
MODEL	A	B	C	D	E	F	G	H	J	K
GP6 50 YTVIT	70-5/8	68-1/4	52	21	9-1/8	12	22	8	15-3/4	27

Top Inlet and outlet connections: 3/4" male NPT
Circulation loop connections: 3/4" female NPT



* INSTALL IN ACCORDANCE WITH LOCAL CODES

* 3.07 GPM continuous flow, based on 65°F inlet water temperature, 110° outlet temperature.



For complete information on limited warranties, consult written warranty or contact the State Customer Care Center, 1-800-365-0024.

State Industries, Inc. reserves the right to make product changes or improvements without prior notice.

For more information on Premier® contact:
State Water Heaters
500 Tennessee Waltz Parkway, Ashland City, TN 37015
800.365.0024 Toll-free USA
www.statewaterheaters.com

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