

PREMIER® POWER VENT

90% Efficient Residential Gas Water Heater



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 much greater heat transfer surface than a standard straight flue tube, resulting in 90% thermal efficiency and higher hot water output than 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 "endless hot water for showers" ...a continuous flow of over 3 gallons per minute.*



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 25 equivalent feet
 - 3" pipe allows vent runs up to 65 equivalent feet
 - 4" pipe allows vent runs up to 128 equivalent feet
- Supplied with PVC pipe and elbows to connect heat exchanger outlet to blower, including condensate elbow and drain, and PVC Vent Attenuation Assembly (VAA)

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 Magnesium 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.



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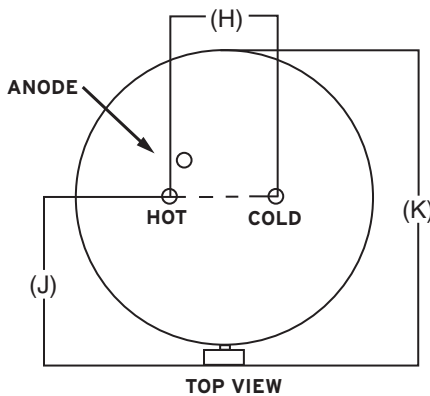
MODEL NUMBER	R VALUE	BTU INPUT PER HOUR	GALLON CAPACITY	FIRST HOUR DELIVERY GALLONS	RECOVERY 90°F RISE GALLONS PER HOUR	SHIPPING WEIGHT LBS
GP6 50 YTVIT	16	76,000	50	127	92	210

Natural gas only

DIMENSIONS IN INCHES

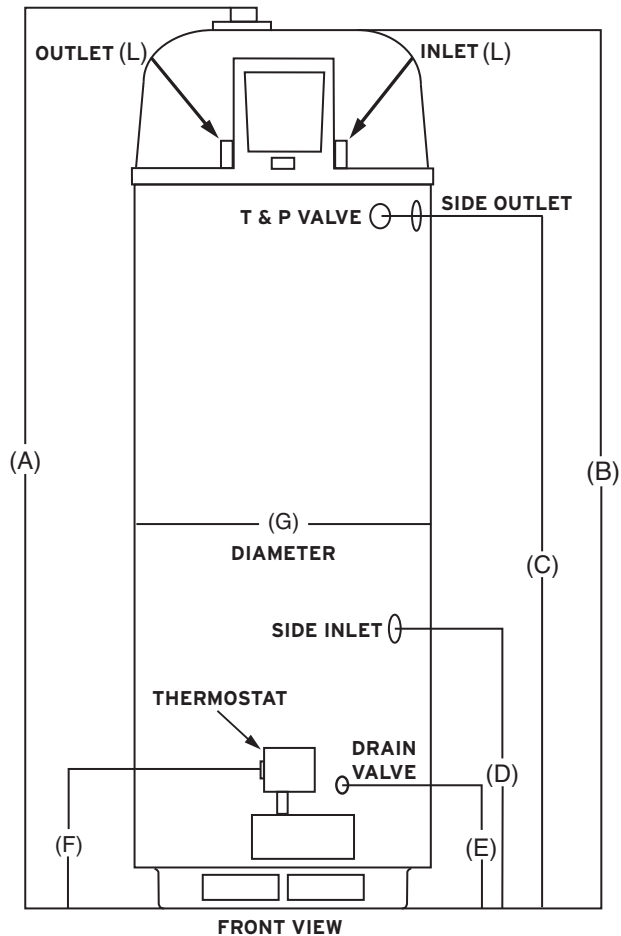
MODEL	A	B	C	D	E	F	G	H	J	K
GP6 50 YTVIT	70-5/8	68-1/4	52	21	9-1/8	12	22	8	15-3/4	27

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:
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500 Tennessee Waltz Parkway, Ashland City, TN 37015
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