

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.



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 up to 33%, complies with Southern California and Texas requirements

PEXAN™ Diffuser Dip Tube

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

Factory-Installed Temperature and Pressure Relief Valve

Maximum Hydrostatic Working Pressure: 150 psi

Design-Certified by Underwriters Laboratories

- Certified according to ANS Z21.10.3
- Meets or exceeds ASHRAE/IESNA 90.1-1999 and 2004 NAECA

Six-Year Limited Tank and Parts Warranty

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

GAS-FIRED



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For Additional Technical Information,
PHONE 800-365-0024

State Industries, Inc.
500 Tennessee Waltz Parkway, Ashland City, TN 37015
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

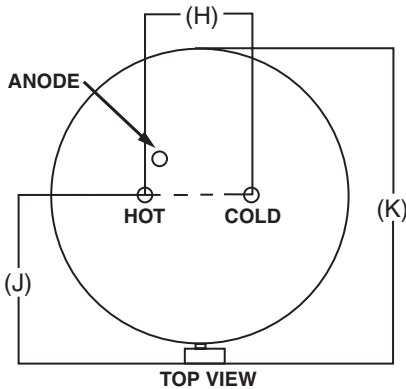
Approved for Canada

DIMENSIONS IN INCHES

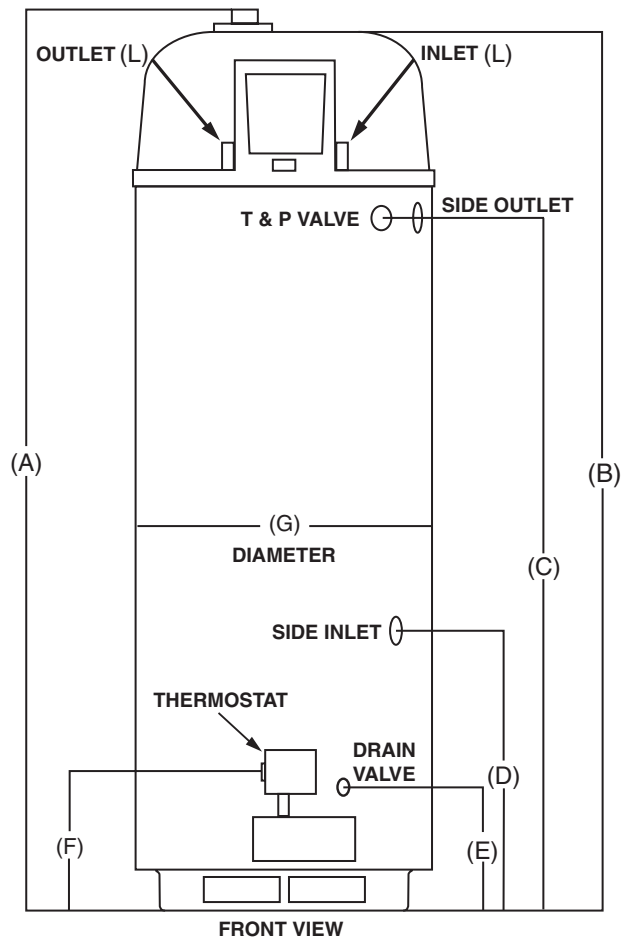
MODEL	A	B	C	D	E	F	G	H	J	K
GP6 50 YTVIT	70-5/8	68-1/4	52	21	9-1/8	12	22	8	15-3/4	27

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

Circulation loop connections: 3/4" female NPT



* INSTALL IN ACCORDANCE WITH LOCAL CODES



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.

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