

ProMax[®] SL POWER-VENT WATER HEATER

THE PROMAX[®] SL Power-Vent 40 and 50-gallon residential gas water heaters are equipped with A. O. Smith's patented C3 Technology[®] design and meet Phase II of the ANSI Z21.10.1 standards for flammable vapor ignition resistance. In addition, A. O. Smith has engineered other enhancements into its power-vent design for easier installation and maximum venting flexibility.

SIDE-MOUNTED RECIRCULATING TAPS

For installation with combination space heating/potable water heating applications (such as with air handlers) or any system requiring a recirculating hot water loop.

VERSATILE POWER-VENT DESIGN

- 40 and 50-gallon models vent using 2", 3" or 4" Schedule 40 PVC or CPVC. Canadian installations require ULC S636 approved PVC or CPVC pipe for intake and exhaust.
- All models supplied with termination elbow and screens. See next page for complete information on vent distances and supplied elbows and screens for all models.

INTELLI-VENT™* GAS CONTROL

- Equipped with a nearly indestructible silicon nitride hot surface igniter – no standing pilot
- Advanced electronics for more precise control of water temperature and easy-to-understand system diagnostics
- Side-mounted gas connection simplifies installation

EXCLUSIVE POWER-VENT BLOWER

- Specifically designed and manufactured by A. O. Smith Electrical Products
- Equipped with 110V/120V electrical system, rating 3 amps or less
- 6-foot cord with standard 3-prong male connector

DYNACLEAN™ DIFFUSER DIP TUBE

- Reduce harmful lime and sediment build-up to maintain high efficiency, prolong tank life. Made from long-lasting PEX cross-linked polymer.

EXCLUSIVE COREGARD™ ANODE ROD

- Aluminum anode with stainless steel core protects tank against corrosion

GREEN CHOICE® GAS BURNER

- Patented "Eco-Friendly" design reduces NOx emissions by up to 33% and meets less than 40 ng/j requirements for low NOx

DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE

PERMAGLAS® GLASS TANK COATING

- Patented glass lining protects tank from corrosion and maximizes tank life

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

LISTED BY UNDERWRITERS LABORATORIES

- Listed according to ANSI Z21.10.1 - 10.3 and CSA 4.1 - 4.3 standards governing storage-type water heaters
- Additional code compliance: UBC, CEC, SBCC, CABO, HUD, BOCA National codes, Current Edition ASHRAE/IESNA 90.1 and 2004 NAECA Standards

EQUIPPED WITH C3 TECHNOLOGY– SEE OTHER SIDE

6-YEAR LIMITED TANK & PARTS WARRANTY

- For complete information, consult written warranty

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





ProMax[®] SL

POWER-VENT WATER HEATER

MODEL NUMBER	FIRST HOUR RATINGS GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL	BTU OUTPUT PER HOUR NATURAL	RECOVERY 90° F RISE GALLONS PER HOUR	R VALUE**	DIMENSIONS IN INCHES								APPROX SHIPPING WEIGHT (LBS)
								A	B	C	D	E	F	G	H	
GPVT-40L	80	.65	40	50,000	39,000	53	16	63	55	20 1/2	13	8	49	14 1/2	49	166
GPVT-50L	83	.65	50	50,000	39,500	53	16	65	56 3/4	22	13	8	50 1/4	14 1/2	50 1/4	186
GPVX-50L	114	.65	50	62,500	49,400	66	16	65	56 3/4	22	13	8	50 1/4	14 1/2	54	186
GPS-75L	N/A	N/A	74	80,000	64,000	86	12	66	57	25 1/2	15	16	50 1/4	15 1/2	50 1/4	245

Propane Inputs: GPVT-40L, GPVT-50L: 50,000 BTU, GPVX-50L: 55,000 BTU, GPS-75L: 80,000 BTU
 *74-gallon model is not FVIR construction
 **R12=1-1/2" and R16=2" foam capacity

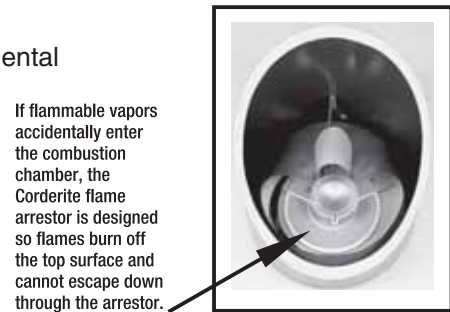
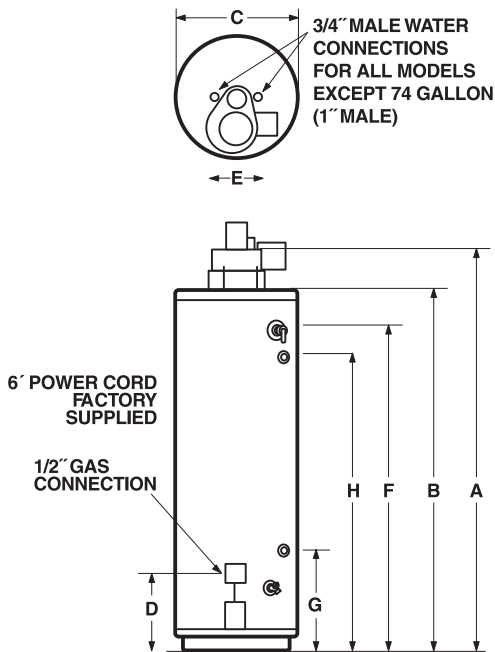
Model Number	BTU Input	Maximum Vent Distance (Total Equivalent Feet)		
		2" Pipe	3" Pipe	4" Pipe
GPVT-40L	50,000	40'	120'	160'
GPVT-50L	50,000	40'	120'	160'
GPVX-50L	62,500	N/A	80'	120'
GPS-75L	80,000	N/A	30'	100'

40- and 50-gallon models are supplied with 2", 22-1/2" Termination Elbow, plus 2", 3" Screen.
 74-gallon model is supplied with 3", 90° Termination Elbow, plus 3" and 4" Screens.
 2" & 3" elbows are equal to 5' of vent pipe. 4" elbows are equal to 8' of vent pipe.
Important: Read and follow requirements shown in the Product Manual for ProMax SL Power-Vent gas water heaters dealing with type, placement and length of vent pipe and vent termination, as well as clearances required to provide adequate combustion and proper ventilation.



Flammable Vapor Ignition Resistant C3 Technology[®] Water Heaters

Corderite Combustion Containment (C3) design meets American National Standards Institute standards (ANSI Z21.10.1 - 10.3 - CSA 4.1 - 4.3 Standards) that deal with the accidental or unintended ignition of flammable vapors, such as those emitted by gasoline. Covered by four U.S. patents, C3 Technology gas water heaters feature a sealed combustion chamber with air intake screen and a reproof Corderite flame arrestor built into the water heater base. ProMax[®] SL Power-Vent water heaters are also equipped with a flammable vapor sensor, which automatically shuts down the blower, Intelli-Vent[™] gas control and hot surface ignitor if the presence of flammable vapors is detected.



If flammable vapors accidentally enter the combustion chamber, the Corderite flame arrestor is designed so flames burn off the top surface and cannot escape down through the arrestor.