

ProMax SL

DIRECT-VENT

ProMax® SL Direct-Vent Features

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.

DIRECT-VENT DESIGN

- One-pipe, dual-channel closed-combustion system draws all make-up air from outside the home, eliminating problems caused by insufficient indoor ventilation, and is FVIR compliant
- Horizontal air intake and venting on all models up to 80 inches from outside wall, with no electrical power needed.

A. O. SMITH DYNACLEAN™ DIFFUSER DIP TUBE

Helps reduce lime and sediment buildup, maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

GREEN CHOICE® GAS BURNER

Patented "Eco-Friendly" design reduces NOx emissions and complies with less than 40 ng/j requirements for NOx emissions.

PUSH BUTTON PIEZO IGNITOR

■ Makes lighting pilot fast and easy with one hand push button spark ignition.

HEAT TRAP NIPPLES Factory installed.

DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE

A. O. SMITH Blue Diamond® GLASS COATING

Provides superior corrosion resistance compared to industry-standard

CSA Certified and ASME Rated T&P Relief Value

CODE COMPLIANCE: UBC, CEC, SBCC, CABO, HUD, BOCA NATIONAL CODES, ASHRAE/IESNA 90.1 - CURRENT EDITION AND 2004 NAECA

DESIGN-CERTIFIED BY CSA INTERNATIONAL

According to ANSI Z21.10.1-CSA 4.1 Standards governing storage-type water

6-YEAR LIMITED TANK & PARTS WARRANTY

■ For complete information, consult written warranty or A. O. Smith.











ProMax® SL DIRECT-VENT

MODEL NUMBER	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR	RECOVERY 90°F RISE GALLONS PER HOUR	DIMENSIONS IN INCHES								VENT	APPROX.
						Α	В	С	D	E	F	G	Н	OUT- LET*	WEIGHT (LBS)
GDV-40L	73	.59	40	38,000	41	68	54-3/4	22-1/4	16	12-1/4	45-1/4	16-1/2	41-3/4	Co-Axial	167
GDVT-50L	88	.58	50	50,000	55	76	64-3/4	22-1/4	16-1/4	12-1/2	55-1/2	16-1/2	53-3/4	Co-Axial	187
GDV-75L	131	.57	75	55,000	60	76	65-3/4	26-1/4	16-1/4	12-1/2	55-1/2	17-1/4	54	Co-Axial	310

Recovery capacities based on actual performance tests.

* Dual-channel system has 3" vent pipe inside 6" air intake pipe, for the 40 & 50 gallon models. The 75-gallon model uses a 4"x 7" co-axial pipe.

All models have 2" foam cavity.

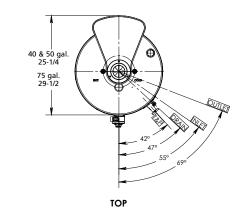
Water connection 3/4" male all models.

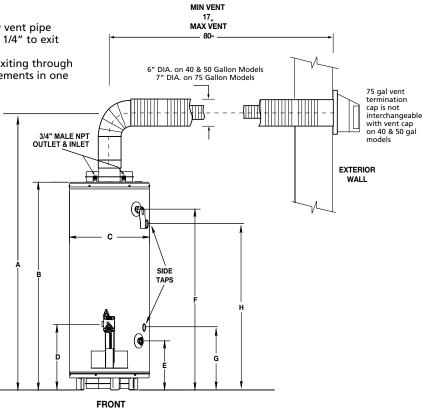
All models are certified for sale in Canada (add SMR "T25").

75 gallon water connections are 12" on center.

Important! Vent Installation and Termination Requirements

- Maximum horizontal vent distance is 80" to outside of exterior wall.
- Minimum horizontal vent distance is 17" to outside of exterior wall.
- Vent pipes may be trimmed (cut) for short vent installations.
- For vent installation less than 30" the vent restrictor is required. Place restrictor over the flue outlet on heater before installing the outlet vent pipe to the heater.
- Recommended installation height for the heater vent pipe should be 68" for 40 gallon models and 76" for the 50-gallon and 75-gallon models (vent height).
- Offset Vent Arrangement 1. When replacing an existing direct vent model, the new vent pipe
 - may drop from the minimum vent height as much as 7 1/4" to exit through the existing vent opening in the exterior wall. 2. Vent may have one horizontal 90 degree turn before exiting through
 - exterior wall (Do not combine both offset vent arrangements in one installation) (See examples in the installation manual)
- High Rise Vent Arrangement
 - When vent termination is more than 80" above the base of the heater. The horizontal vent run must be a minimum of 22" from the center of the heater to the outside exterior wall surface. (See example in the installation manual)
- Vent termination clearance hole through the exterior wall should be approximately 7" diameter.
- Snow accumulation and drifting should be considered when locating the termination.
- An optional wire grill vent cap protector is available through the parts department, part number 9006627.
- See the installation manual for complete installation and venting requirements.





For Technical Information and Automated Fax Service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.

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