

## **POWERHOUSE SURE SHOT<sup>®</sup>** DIRECT-VENT

### SURE SHOT<sup>®</sup> FEATURES

#### **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.

Horizontal air intake and venting on most models up to 4 feet from outside wall, with no electrical power needed.

#### **6-YEAR LIMITED TANK & PARTS WARRANTY**

For complete information, consult written warranty or A. O. Smith Water Products Company.

#### **A. O. SMITH DYNACLEAN<sup>™</sup> DIFFUSER DIP TUBE**

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

#### **COREGARD<sup>™</sup> ANODE ROD**

An A. O. Smith exclusive. Aluminum anode with stainless steel core protects tank against corrosion longer than ordinary mild steel anodes.

#### **GREEN CHOICE<sup>™</sup> GAS BURNER**

Patented "eco-friendly" design reduces NOx emissions up to 33% and complies with Southern California and Texas requirements.

#### **DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE**

#### **A. O. SMITH PERMAGLAS<sup>®</sup> GLASS COATING**

Protects steel tank from rust.

#### **FACTORY-INSTALLED TEMPERATURE & PRESSURE (T&P) RELIEF VALVE**

**CODE COMPLIANCE: UBC, CEC, SBCC, CABO, HUD, BOCA NATIONAL CODES, ASHRAE/IES 90.1-1999 AND 2004 NAECA**

#### **DESIGN-CERTIFIED BY CSA INTERNATIONAL**

According to ANS Z21.10.1 standards governing storage-type water heaters.



**A.O. Smith**  
Water Heaters

[www.hotwater.com](http://www.hotwater.com)





MODEL NUMBER	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL	RECOVERY 90°F RISE GALLONS PER HOUR	R VALUE**	DIMENSIONS IN INCHES						VENT OUTLET*	APPROX. SHIPPING WEIGHT (LBS)
							A	B	C	D	E	F		
GDVS-40	68	.59	40	36,000	36	16	63-3/4	48-3/4	21	14-5/8	8	42	3 in 6	181
GDVH-40	71	.59	40	40,000	40	16	63-3/4	48-3/4	21	14-5/8	8	42	3 in 6	195
GDVS-50	77	.58	50	38,000	38	16	72-1/2	57-1/2	21	14-5/8	8	50-3/4	3 in 6	209
GDVH-50	87	.58	50	48,000	49	16	76	61	21	14-5/8	8	54-1/4	3 in 6	241
GDVH-75	109	.53	75	55,000	52	16	76-1/2	61-1/2	26-1/4	14-5/8	8	54-3/4	3 in 6	300

Recovery capacities based on actual performance tests.

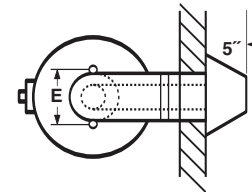
Propane input on GDVH-50: 44,000. GDVH-75 not available in propane.

\* Dual-channel system has 3" vent pipe inside 6" air intake pipe.

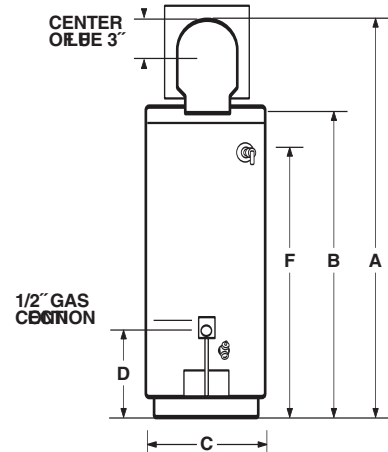
\*\* R Value shown is "performance rated."

**Sure Shot® Direct-Vent Water Heaters** are shipped with Standard Vent Kit #9000687, which allows for horizontal vent extension (back of water heater to inside wall plus wall thickness) up to 10" on 40- and 50-gallon models, and up to 7-3/8" on the 75-gallon model. Standard Vent Kit #9000687 adds 15" to the total height of the installation (floor to top of vent pipe).

Optional Vent Extension Kits (#9001246, #9001247 and #9001248) can be ordered for use when longer horizontal vent extension or higher vertical vent extension are required, as shown in the chart below.



VENT KIT NUMBER	HORIZONTAL VENT EXTENSION Back of heater to inside wall, plus wall thickness when used with these water heaters.				VERTICAL VENT EXTENSION From floor to top of vent pipe when used with these water heaters.							
	40- and 50-GALLON		75-GALLON		GDVS-40 GDVH-40		GDVH-50		GDVS-50		GDVH-75	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
STANDARD: 9000687	3-1/2	10	7/8	7-3/8	63-3/4	-	76	-	72-1/2	-	76-1/2	-
OPTIONAL: 9001246	10	15-1/2	7-3/8	12-7/8	72	77-1/2	84-1/4	89-3/4	80-3/4	86-1/4	86-1/4	91-1/4
OPTIONAL: 9001247	15-1/2	26-1/2	12-7/8	23-7/8	77-1/2	88-1/2	89-3/4	100-3/4	86-1/4	97-1/4	91-1/4	102-1/4
OPTIONAL: 9001248	26-1/2	48	23-7/8	45-3/8	88-1/2	110	100-3/4	122-1/4	97-1/4	118-3/4	102-1/4	124-1/4



If SMR "S99" is ordered, the vent kit will ship prior to the water heater. One of the vent kits below must be ordered at the same time as the heater.

Complete Vent Kit	Includes Extension Kit	Termination Cap
9003612	9000687 (Standard)	Aluminum
9003613	9001246	Aluminum
9003614	9001247	Aluminum
9003615	9001248	Aluminum

## A.O. Smith

### Water Heaters

500 Tennessee Waltz Parkway  
Ashland City, TN 37015  
[www.hotwater.com](http://www.hotwater.com)

**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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