



Residential Gas Water Heaters

HIGH EFFICIENCY RESIDENTIAL MODELS

FEATURES

ENERGY STAR® QUALIFIED

- Meets ENERGY STAR requirements for the .67 EF tier II efficiency increase initiated September 1, 2010 and is eligible for most utility rebate programs based on Energy Factor (EF) Ratings.

AUTOMATIC FLUE DAMPER

- Increases efficiency as it auto-matically opens and closes to reduce heat loss in the standby mode.

ELECTRONIC GAS CONTROL

- Intelligent control logic provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance.

DIAGNOSTICS

- The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics.

ELECTRONIC IGNITION

- Heater operates with an automatic pilot relight system that shuts off the pilot during stand-by modes to reduce gas consumption and eliminates nuisance pilot outage issues associated with standing pilot models.

POWER REQUIREMENTS

- Plugs into standard 110/120v outlet (10 foot power cord included).

DYNACLEAN™ DIFFUSER DIP TUBE

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

GREEN CHOICE® GAS BURNER

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

COREGARD™ ANODE ROD

- An A. O. Smith exclusive. Anode has stainless steel core, protects tank against corrosion longer than ordinary steel anodes.

DURABLE, BRASS TAMPER-RESISTANT DRAIN VALVE

BLUE DIAMOND® GLASS COATING

- A. O. Smith BLUE DIAMOND® process provides superior protection against corrosion

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

- Top-mounted T&P Relief Valve available as option on all models.

CODE COMPLIANCE

- UBC, CEC, SBCC, HUD and BOCA National Codes. Meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IESNA 90.1. Meets the Federal Energy Efficiency Standards effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992.

DESIGN-CERTIFIED BY CSA INTERNATIONAL

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

FLAMMABLE VAPOR IGNITION RESISTANT COMPLIANT DESIGN

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warrant





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RESIDENTIAL GAS MODELS

MODEL NUMBER	SERIES	FIRST HOUR RATING GALLONS	ENERGY FACTOR (EF)	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL*	RECOVERY 90°F RISE GALLONS PER HOUR	FOAM THICKNESS (INCHES)	DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROX. SHIPPING WEIGHT (LBS)
								A	B	C	D	E	F		
TALL MODELS															
GCF-40	100	67	.67	40	40,000	42	2	64-1/4	58-1/4	20	13	8	51-3/4	3 or 4	152
GCF-50	100	81	.67	50	40,000	42	2	63-1/2	57-1/4	22	13	8	50-1/4	3 or 4	167
SHORT MODEL															
GCFL-40	100	67	.67	40	40,000	42	2	54	47-3/4	22	13	8	41	3 or 4	149

Recovery capacity based on actual performance tests.

Water Connections - 3/4" on all models.

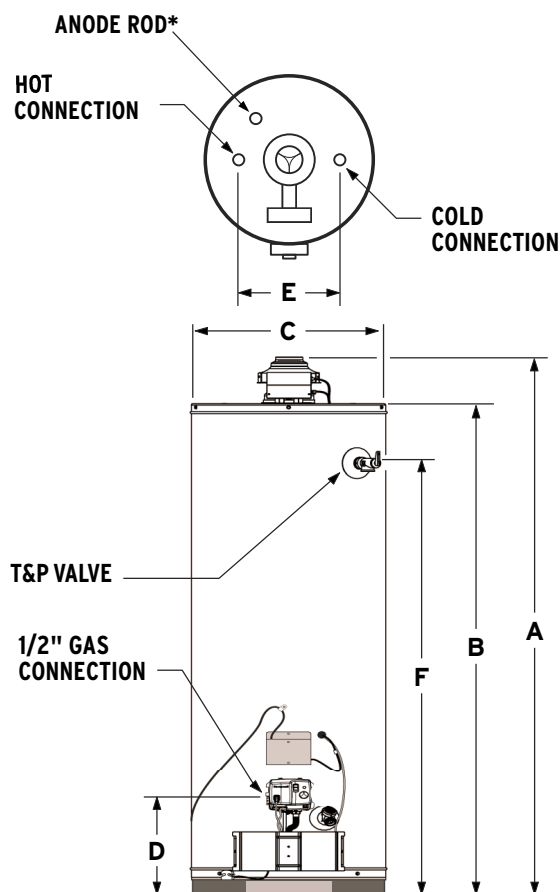
External heat trap nipples are factory-installed on all models

Order SMR S45 for Top T&P - Example GCF-40 S45

All models are ENERGY STAR® qualified.

All models are certified from sea level to 10,100 ft. elevations

*Propane (LP) gas - 37,000 BTU input for 50-gallon models and 36,000 BTU for 40-gallon models



* Location for optional top-mounted T&P Valve if ordered from factory.

Maximum Hydrostatic Working Pressure: 150 PSI.

For Technical Information call 1-800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.