

# Residential Gas with the Flame Guard® Safety System

**9 or 12-Year Limited Tank/Parts Warranty\***

The enhanced BFG design incorporates the latest technological advancements in gas water heating. With tighter temperature control and advanced diagnostics, you can truly rely on American for the Flame Guard® Safety System that is better than ever.

- **Intelligent Control Logic** - The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance.
- **Self-Powered Electronic Gas Valve** - Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source.
- **Diagnostics** - The electronic gas control incorporates an LED status indicator that monitors system operation & service diagnostics.
- **FVIR Compliant** - The Flame Guard® Safety System reduces the risk of accidental fires involving flammable vapors from products such as gasoline, paint thinner, and solvents.
- **Heat Traps** - Factory-installed.
- **Combustion Safety Cut-off Switch** - Shuts down the water heater should combustion air be restricted.
- **Lint Resistant Design** - Main burner ignition forces air through the flame trap blowing lint off the trap. Proven design tested using four different lint test scenarios.
- **LimeFighter® Dip Tube** - Technology uses special water jets to direct incoming cold water into the tank creating turbulence, which helps prevent sediment buildup.
- **CSA Certified and ASME Rated T&P Relief Valve** - Conveniently located on the side of the tank to facilitate piping to a drain or external to the building. Also available with top T&P opening for field installation.
- **3/4" Top Water Connections**
- **1/2" Gas Connection**
- **Aluminized Steel Multiport Low NOx Burner**
- **Combination Thermostat/ECO** - With factory-preset pressure regulator and built-in millivolt-powered energy cutoff for overheat protection.
- **Anode Rod** - Top-mounted, heavy-duty anode protects tank against corrosion, maximizes tank life.
- **Code Approvals** - Design certified by CSA International according to ANSI Z21.10.1-CSA 4.1 standards governing storage-type water heaters.
- **Drain Valve** - Child-resistant, corrosion-resistant brass drain valve.
- **Piezo Electric Ignitor** - Makes lighting pilot fast and easy.



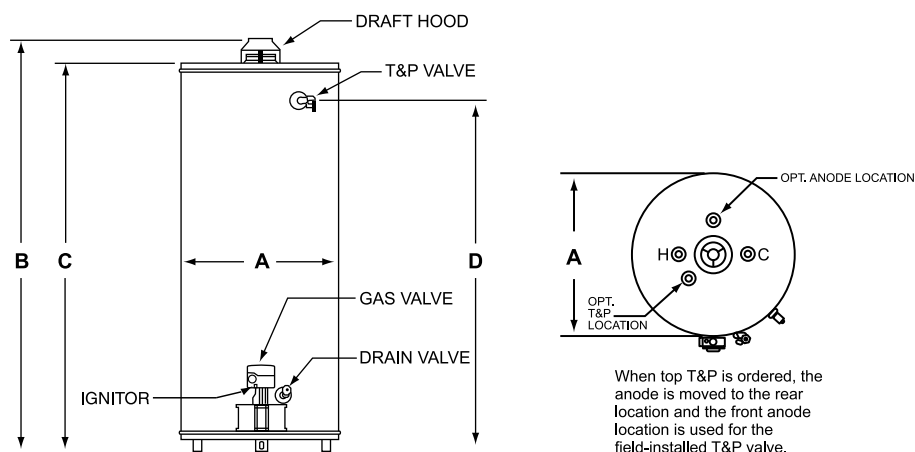
**Series 100/101**



Low Lead Content

*All BFG prefixed models are equipped with the Flame Guard® Safety System*

\*For complete warranty information consult the written warranty of American Water Heaters found at [www.americanwaterheater.com](http://www.americanwaterheater.com), or call (800) 999-9515.



WARRANTY	MODEL NUMBER	SERIES	GAL. CAP.	INPUT BTU PER HR.		GPH RECOVERY 90° RISE		VENT DIAM.	E.F.	JACKET DIAM. A	HEIGHT			APPROX. SHIP WEIGHT
				NAT.	LP	NAT.	LP				TOP OF VENT B	TOP OF HEATER C	SIDE T&P D	
9-Year	BFG91-40S40-3NOV	100/101	40	40,000	36,000	40.5	36.5	3	0.59	20	52-1/4	49	42-1/4	132
9-Year	BFG91-40T40-3NOV	100/101	40	40,000	36,000	40.5	36.5	3	0.59	18	62	58-3/4	51-3/4	127
9-Year	BFG91-50T40-3NOV	100/101	50	40,000	37,000	40.5	37.5	3	0.58	20	60-3/4	57-1/2	50-1/2	148
12-Year	BFG122-40T40-3NOV	100/101	40	40,000	36,000	40.5	36.5	3	0.63	20	62	58-3/4	51-3/4	132
12-Year	BFG122-50T40-3NOV	100/101	50	40,000	40,000	40.5	40.5	3	0.62	22	60-3/4	57-1/2	50-1/2	155
12-Year	BFG122-50T50-4NOV	100/101	50	50,000	47,000	50.7	47.6	4	0.60	22	60-3/4	57-1/2	50-1/2	155

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement. Dimensions on all charts shown in inches. Inlet and outlet are on 8" centers. BFG122 models meet California Title 24 Requirements. To order propane models, change "NO" to suffix "P". Delete "V" in model number for top T&P option, T&P opening on top of the heater with the valve shipped in the box for field installation. All models certified to 10,100 foot elevations.

## Specification

Residential gas water heater(s) shall be flammable vapor-resistant models \_\_\_\_\_ as manufactured by American Water Heaters, or an approved equal, and shall have a \_\_\_\_\_-year limited tank warranty and a \_\_\_\_\_-year limited parts warranty, when installed in a residential application. The heater shall be equipped with a flammable vapor-resistant combustion system that includes an integral flame trap, a resettable thermal switch and a piezo electric ignitor. In the event of a flammable vapor incident or a severe back draft condition, the heater must render itself inoperable. The heater must be tested for lint buildup resistance. Heater(s) shall have a storage capacity of \_\_\_\_\_ gallons and shall have a rated input of \_\_\_\_\_ BTU's, and shall be Design Certified by CSA International according to ANSI Z21.10.1 – CSA 4.1 Standards governing storage-type water heaters. Meets the Federal Efficiency Standards effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992 and current edition of ASHRAE/IESNA 90.1. The interior of the storage tank shall be lined with a baked-on Fused Ceramic Shield tank lining, fused to the tank at 1600°F, forming a corrosion-resistant lining; polymer linings are not acceptable. Each tank shall be furnished with an internal anode for cathodic protection. The unit must be equipped with a combination gas control thermostat and non-reset type ECO. A corrosion-resistant brass drain valve shall be provided on the front of each unit. The tank shall be totally encased in a steel jacket, painted and insulated with a non-CFC foam to reduce standby heat loss.

## Distributed By:

### Order Entry and Sales

500 Princeton Road (FEDEX, UPS)  
Johnson City, TN 37601-2030  
P.O. Box 4808 (Mailing)  
Johnson City, TN 37602-4808  
(800) 937-1037  
FAX (800) 581-7224

### Warranty and Service

500 Princeton Road (FEDEX, UPS)  
Johnson City, TN 37601-2030  
P.O. Box 1597 (Mailing)  
Johnson City, TN 37605-1597  
(800) 999-9515  
FAX (800) 999-5210