



RESIDENTIAL GAS-FIRED WATER HEATERS
POWERED DAMPER – FVIR Compliant

| 40 | 50 | U.S. GALLONS



Proudly
Canadian

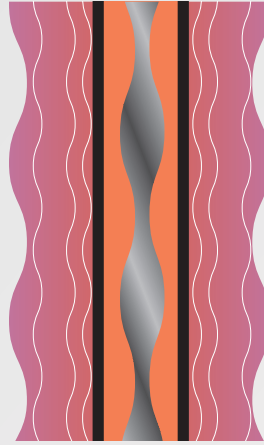
Giant®
Enhancing everyday living

FVIR TECHNOLOGY

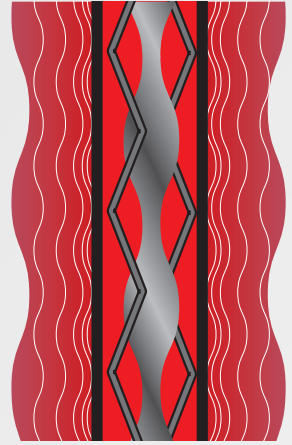
All residential gas fired water heaters built with FVIR technology, meet the latest edition of the North American Standards ANSI Z21.10.1/CSA 4.1. They are specially designed to prevent the ignition of flammable vapours such as aerosol sprays, cleaning solvents, gasoline, paints, paint thinner, and thinner lacker, outside of the water heater.

The Power Twist™ baffle increases the heat retention process better than a regular baffle. **You get more hot water from the same gas consumption!**

PATENTED POWER TWIST™ BAFFLE



STANDARD
BAFFLE



POWER TWIST™
BAFFLE



BENEFITS

1 - ENERGY EFFICIENT DAMPER DESIGN

- 24 VAC Powered flue damper*.
- Lower stand-by losses.
- More hot water at a lower operating cost.
- Automatic spark to pilot ignition system eliminating the need for a standing pilot.

2 - AUTOMATIC GAS CONTROL

- Adjustable thermostat will provide years of reliable trouble-free service at the desired water temperature and an energy cut-off (E.C.O.) is provided for abnormal conditions.
- Integrated self-diagnostic system control minimizes guesswork.
- Modular valve for ease of replacement.

3 - FLAMMABLE VAPOUR DETECTION SENSOR

- Protective control system that disables the heater in the presence of flammable vapour accumulation.
- FVIR compliant.

4 - RESETTABLE THERMAL CUT-OFF

Shuts down gas flow to the pilot and burner in the event that flammable vapours enter into the combustion chamber and ignite. Simple and easy to service, push the button to reset.

5 - SIGHT GLASS

Provides easy viewing into the combustion chamber to verify the operation of the pilot and burner.

6 - STAINLESS STEEL FLAME ARRESTOR

Superior no-rust design prevents flammable vapours from igniting outside of the sealed combustion chamber.

7 - LOW MAINTENANCE OPERATION

Air intakes and flame arrestor designed to minimize dirt and dust accumulation.

8 - DRAIN VALVE

Excellent quality, tamper resistant, one-piece brass drain valve is installed for easy drainage.

9 - INSULATION

A thick uniform blanket of **GREENFOAM** eco-friendly insulation keeps the water hotter for longer periods, reduces standby losses and energy costs. **GREENFOAM** contains no HCFC'S (hydrochlorofluorocarbons), CFC'S (chlorofluorocarbons), nor VOC's (volatile organic compounds).

10 - PATENTED POWER TWIST™ BAFFLE

Gives a higher efficiency than regular baffles (see figure on the previous page).

11 - FACTORY INSTALLED T&P RELIEF VALVE

Protects the tank from the damaging effects of excessive water temperature and pressure.

12 - FACTORY INSTALLED 3/4" NPT DI-ELECTRIC NIPPLES

Extend the life of the water heater by providing excellent corrosion protection.

13 - GLASS-LINED INNER TANK

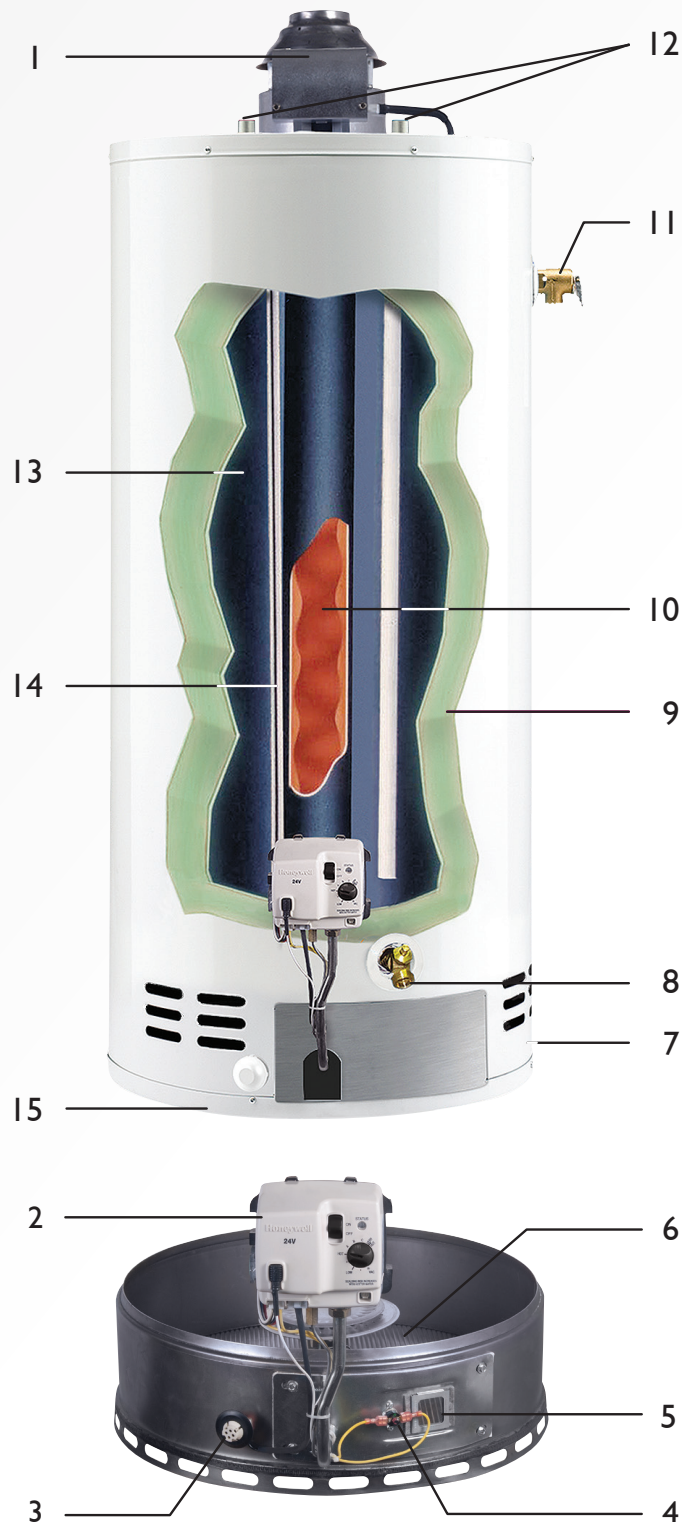
A uniquely formulated blue cobalt glass enriched with zircon is fused to specially treated steel at 1,600°F (871°C) to provide the best coating available against corrosion for many years. The tank is certified at a test pressure of 300 PSI (2,068 kPa) and a working pressure of 150 PSI (1,034 kPa).

14 - HIGH-QUALITY MAGNESIUM ANODE

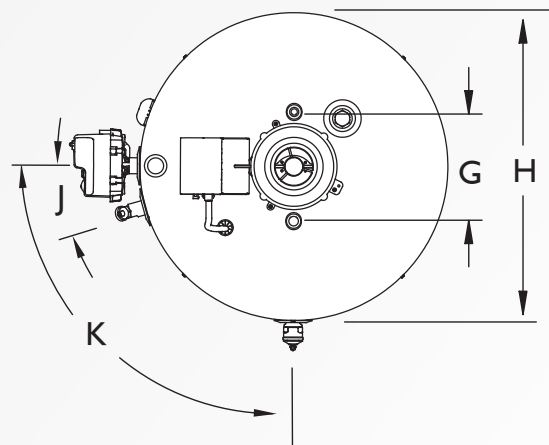
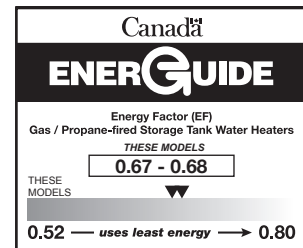
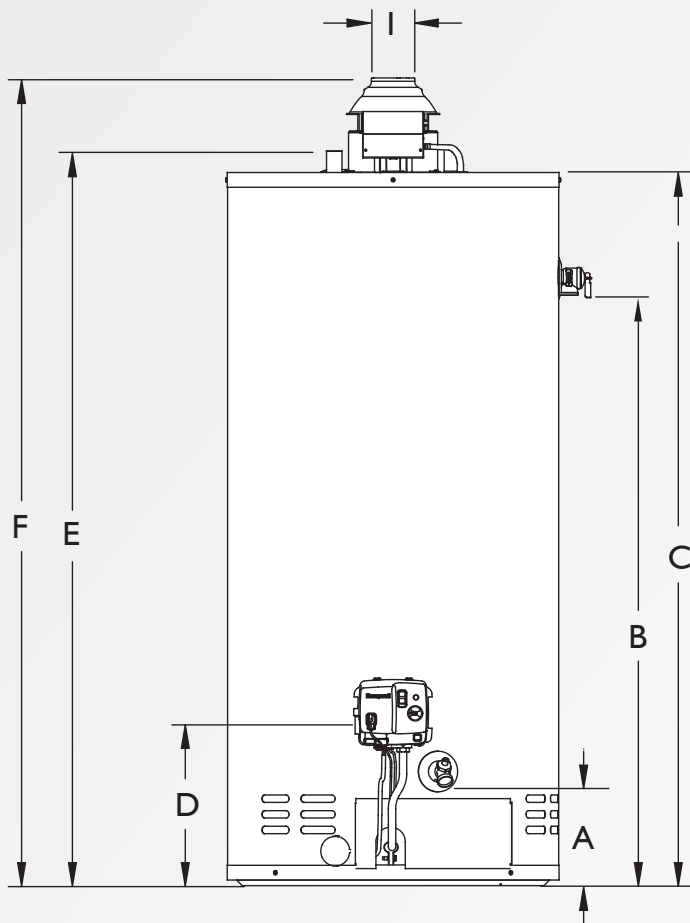
Provides excellent protection against the corrosive effects of water and extends tank life.

15 - ROLL-AROUND BASE

Provides easy handling for installer without damaging the floor during installation.



*Included: Standard 110 volt plug-in transformer with electrical power cord.



SPECIFICATIONS

| Models | Storage capacity | | | Input BTU | E.F. Number | | Recovery 90°F/50°C | | | First-Hour Rating (U.S.) Gal. | Altitude | Est. ship. weight | |
|----------------|------------------|-------|------------|--------------|----------------|--------|--------------------|-------|------------|-------------------------------------|----------|-------------------|------|
| | (U.S.) Gal. | Litre | (Imp) Gal. | | | | (U.S.) Gal. | Litre | (Imp) Gal. | | | lb | (kg) |
| UG40-34LFD-NIU | 40 | 151 | 33 | 34,000 | 0.67 | 1 1/4" | 35.7 | 135.2 | 29.7 | 68 | N & H | 137 | (62) |
| UG40-38LFD-NIU | 40 | 151 | 33 | 38,000 | 0.67 | 1 1/4" | 39.9 | 151.1 | 33.2 | 68 | N | 137 | (62) |
| UG50-38LFD-NIU | 50 | 189 | 42 | 38,000 | 0.68 | 1 1/4" | 41.5 | 156.9 | 34.5 | 86 | N & H | 158 | (72) |
| UG50-40LFD-NIU | 50 | 189 | 42 | 40,000 | 0.68 | 1 1/4" | 43.6 | 165.1 | 36.3 | 86 | N | 158 | (72) |

DIMENSIONS

| Models | A | | B | | C | | D | | E | | F | | G | | H | | I | | J | K |
|----------|--------|------|--------|-------|--------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|--------|-------|-------|
| | inches | (cm) | inches | (cm) | inches | (cm) | inches | (cm) | inches | (cm) | inches | (cm) | inches | (cm) | inches | (cm) | inches | (cm) | | |
| All UG40 | 7 1/4 | (18) | 40 1/8 | (102) | 48 3/8 | (123) | 11 1/8 | (28) | 50 | (127) | 54 7/8 | (139) | 8 | (20) | 20 1/2 | (52) | 3-4 | (8-10) | 17.4° | 90.0° |
| All UG50 | 7 1/8 | (18) | 40 | (102) | 48 3/8 | (123) | 11 | (28) | 49 7/8 | (127) | 54 7/8 | (139) | 8 | (20) | 22 1/2 | (57) | 3 | (8) | 15.6° | 90.0° |

All models are suitable for potable water and space heating applications.

Toxic chemicals, such as those used for boiler treatment, must NEVER be introduced into this system.

This unit must NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



Giant offers a SIX (6)* year limited warranty against inner tank leakage from the date of installation. SIX (6)* year limited warranty on component parts. For more specific warranty details including exceptions, consult the owner's manual provided with each water heater.

*When installed by a professional.



A family company
since 1945.

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In accordance with our company policy of on-going product improvement, Giant Factories Inc. reserves the right to make changes without prior notice.