



RESIDENTIAL GAS-FIRED WATER HEATERS
POWER DIRECT VENT

40 | 48 | 50 | 60 | U.S. GALLONS



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.

UG40, UG50 and UG60 Natural Gas and Propane Models

Maximum equivalent length	
2 inch (5.1 cm) vent	50 feet (15.2 m)
3 inch (7.6 cm) vent	180 feet (54.9 m)

UG50-62 Natural Gas and Propane Models

Maximum equivalent length	
3 inch (7.6 cm) vent	60 feet (18.3 m)
4 inch (10.2 cm) vent	180 feet (54.9 m)



BENEFITS

1- INTELLI-VENT™ GAS CONTROL VALVE

State-of-the-art, tamper resistant, and self diagnosing electronic gas control valve is installed for more precise water temperature control and easy troubleshooting.

- Integrated ON/OFF switch.
- Detailed fault history.
- Protective PVC tubing over the ignition wires.
- Serviceable single circuit board.

2- SIGHT GLASS

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

3- SILICON NITRIDE IGNITER

Improves efficiency by eliminating the energy used by a standing pilot. The operating life of the igniter is extended using the gas control's Intelli-Ignition™ technology.

4- DEFLECTION PLATE

Favours a better air distribution around the burner improving combustion efficiency and ignitions.

5- ROLL-AROUND BASE

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

6- FLAMMABLE VAPOUR SENSOR

Detects the presence of flammable vapours and shuts down the water heater.

7- 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 (1,035 kPa).

8- HIGH QUALITY MAGNESIUM ANODE

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

9- 3/4" NPT-F SIDE TAPPINGS*

For combination heating applications.

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

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

11- TWO-PIPE SYSTEM. TWO (2), THREE (3) INCHES OR FOUR (4) INCHES DIAMETER PIPE DEPENDING ON MODELS**

Combustion air is drawn from the outside providing a constant supply of fresh air to the burner. Can be vented horizontally through the wall or vertically through the roof. On some models, the length of the 3" exhaust hose has been increased to allow a greater flexibility of the exhaust system. Refer to the instruction manual for full details.

12- FACTORY INSTALLED TEMPERATURE AND PRESSURE-RELIEF VALVE

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

13- INSULATION

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

14- DRAIN VALVE

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

15- ROBUST BOTTOM AIR BOOT DESIGN

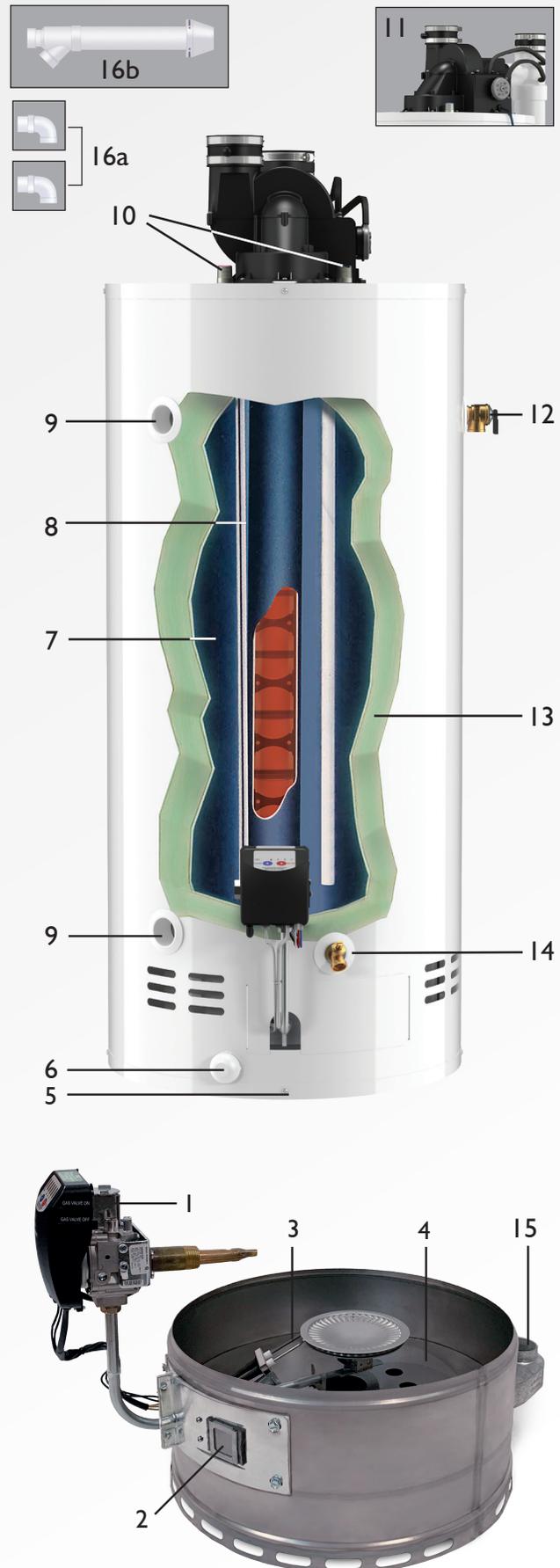
Zinc die cast air boot.

16- A CHOICE OF TWO POSSIBLE TERMINATIONS

- Standard PVC 90° elbows are used for the inlet and outlet terminations (included in the box).
- Optional concentric vent termination provides easy installation of the venting system, requiring only one hole through the wall or the roof (certain restrictions apply to total equivalent length). (Not included)

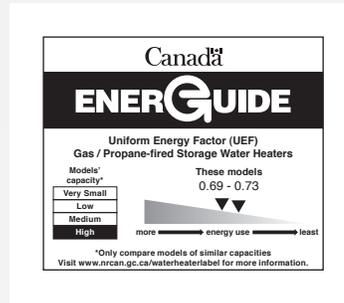
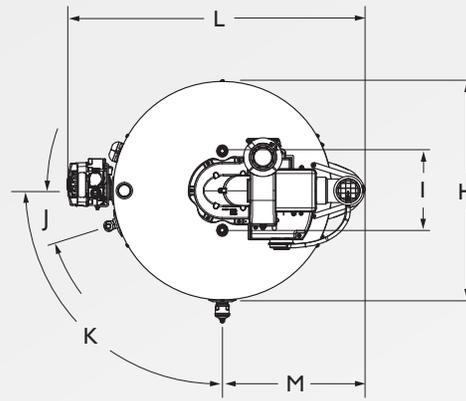
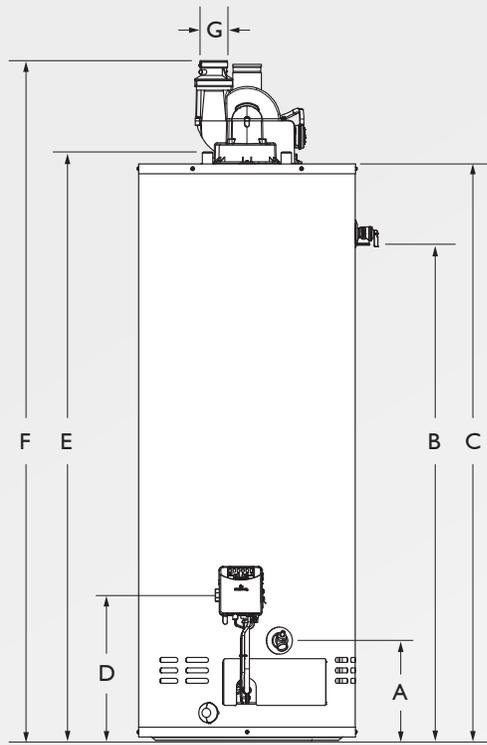
- PROPANE MODELS

Stainless steel burner for increased durability.



* Applicable on models UG50-62LFPDVI-N2U and UG50-62LFPDVI-P2U.

** Refer to vent diameter (letter G) in table.



SPECIFICATIONS

Models	Storage Capacity			Input BTU	Recovery 90°F / 50°C			Energy Factor (EF)	Uniform Energy Factor (UEF)	First Hour Rating (FHR)		Estimated ship. weight	
	U.S. (gal.)	Litres	Imp. (gal.)		U.S. (gal.)	Litre	Imp. (gal.)			U.S. (gal.)	Litres	lb	(kg)
Natural Gas													
UG40-40TFPDVI-N2U	40	151	33	40,000	38.8	146.9	32.3	0.69	0.71	84	318	190	(86.2)
UG50-42TFPDVI-N2U	48	182	40	42,000	40.7	154.1	33.9	0.69	0.71	96	363	195	(88.5)
UG50-62LFPDVI-N2U*	50	189	42	62,000	69.3	262.3	57.7	0.69	0.69	108	409	222	(101)
UG60-42MFPDVI-N1U	60	227	50	42,000	41.2	156	34.3	0.69	0.72	98	371	230	(104.3)
Propane Gas													
UG40-40TFPDVI-P2U	40	151	33	40,000	3.8	150.7	33.1	0.70	0.73	84	318	190	(86.2)
UG50-42TFPDVI-P2U	48	182	40	42,000	41.7	157.9	34.7	0.70	0.73	96	363	195	(88.5)
UG50-62LFPDVI-P2U*	50	189	42	62,000	69.3	262.3	57.7	0.69	0.71	108	409	222	(101)
UG60-42MFPDVI-P1U	60	227	50	42,000	4.3	160.1	35.2	0.70	0.73	98	371	230	(104.3)

DIMENSIONS inches (cm)

Models	A		B		C		D		E		F		G		H		I		J		K		L		M	
	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)	inches	(cm)
All UG40	9 3/8	(24)	51 1/2	(131)	60	(152)	14 3/4	(37)	61 1/4	(156)	70 1/2	(179)	2-3	(5-7.6)	20	(51)	8	(20)	19.5°	90.0°	29	(74)	-	-	-	-
All UG50	9 3/8	(24)	50 3/8	(128)	58 5/8	(149)	14 3/4	(37)	59 3/4	(152)	69	(175)	2-3	(5-7.6)	22	(56)	8	(20)	17.4°	90.0°	29 7/8	(76)	-	-	-	-
All UG50-62	9 3/8	(24)	43 1/8	(110)	53 1/8	(135)	14 1/2	(37)	54 1/8	(137)	63 1/8	(160)	3-4	(7.6-10.2)	24	(61)	8	(20)	18.5°	90.0°	-	-	17 3/8	(44)	-	-
All UG60	9 3/8	(24)	50 1/4	(128)	58 5/8	(149)	14 3/4	(37)	60 1/8	(153)	69 1/8	(176)	2-3	(5-7.6)	24	(61)	8	(20)	15.6°	90.0°	32	(81)	-	-	-	-

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.

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

*Available with heating side tappings.



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.

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