

Ultra Low NOx Power Vent Residential Gas Water Heater

Features

- **Eco-Defender Safety System**®—Designed to be the safest & most reliable flammable vapor ignition resistant system in the industry. Featuring an advanced ScreenLok® technology flame arrestor design, primary and secondary air distribution that reduces NOx generated by combustion, flammable vapor sensor, sight window, and designed to be maintenance-free.
- **Bradford White ICON System**®—Intelligent gas control that eliminates constant burning pilot, saving gas during standby periods (120 VAC). Proprietary algorithms provide tighter temperature differential and consistent water temperature levels up to 160°F (70°C). LED light indicates pilot function or operation status/service required.
- **Vitraglas® Lining with Microban**®—An exclusively engineered enamel formula that provides superior tank protection from the corrosive effects of water; and with Microban® antimicrobial product protection to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
- **Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.

Additional Details

- **Powerful Blower Motor**—AquaVENT MAX™ from Fasco™: the industry's quietest blower motor with a lower profile and robust electrical connection. Includes 10-foot (3m) power cord (120 VAC).
- **Horizontal and Vertical Venting**—Designed for installations unsuitable for atmospheric units. Exhaust gases vented under positive pressure through roof or wall using PVC, ABS, CPVC, or Polypropylene.
- **High Altitude Ready**—Certified for installations up to 10,100 feet (3078m) out of the box. No conversion kit required.
- **Insulation System**—Non-CFC foam covers the tank, reducing heat loss, energy consumption, and improves efficiency and jacket rigidity.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning while providing corrosion-resistant contact with floor.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Factory-Installed Heat Traps**—Incorporates a flexible disk that reduces heat loss in piping and prevents noise.
- **Protective Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **All models comply with the latest Ultra Low NOx requirement (10 ng/J NOx limit) except URG2PV75H6N (14 ng/J NOx limit).**



Photo is of URG1PV40S6N



6 or 10-Year Limited Tank Warranties / 6-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. See complete copy of the warranty included with the heater for limitations.

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company.

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SPECIFICATIONS TTW® "19 SERIES"

Natural Gas

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition).

Model Number	Rated Nominal Volume		DOE Rated Storage Volume Gal.	BTU/Hr. Input	First Hour Rating Gal.	Uniform Energy Factor	Recovery at 90°F Rise*		Model Number	Rated Nominal Volume Liters	DOE Rated Storage Volume Liters	kW Input	First Hour Rating Liters	Uniform Energy Factor	Recovery at 50°C Rise* Liters/ Hour
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH							
URG1PV40S6N	40	33	38	40,000	75	0.68	43	36	URG1PV40S6N	151	144	11.7	284	0.68	163
URG1PV50S6N	50	42	48	40,000	78	0.69	44	37	URG1PV50S6N	189	182	11.7	295	0.69	167
URG2PV40T6N	40	33	38	40,000	78	0.72	43	35	URG2PV40T6N	151	144	11.7	295	0.72	161
URG2PV50T6N	50	42	48	40,000	75	0.72	44	36	URG2PV50T6N	189	182	11.7	284	0.72	165
URG2PV50H6N	48	40	46	56,000	107	0.68	60	50	URG2PV50H6N	182	174	16.4	406	0.68	227
URG2PV75H6N	75	62	72	76,000	121	0.69	82	68	URG2PV75H6N	284	273	22.3	459	0.69	310

Model Number	A Floor to Top of Blower in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
URG1PV40S6N	55 ⁷ / ₁₆	20	2 or 3	40 ¹ / ₈	11 ¹ / ₂	47 ³ / ₁₆	48 ¹⁵ / ₁₆	26 ³ / ₁₆	8	N/A	N/A	3/4	N/A	1/2	144
URG1PV50S6N	56 ⁷ / ₁₆	22	2 or 3	40 ³ / ₈	11 ¹ / ₂	48 ³ / ₁₆	49 ³ / ₄	27 ¹ / ₄	8	N/A	N/A	3/4	N/A	1/2	169
URG2PV40T6N	65	20	2 or 3	49 ¹¹ / ₁₆	11 ¹ / ₂	56 ³ / ₄	57 ¹³ / ₁₆	26	8	N/A	N/A	3/4	N/A	1/2	151
URG2PV50T6N	65	22	2 or 3	49 ⁷ / ₈	11 ¹ / ₂	56 ³ / ₄	58 ⁵ / ₈	27 ³ / ₁₆	8	N/A	N/A	3/4	N/A	1/2	176
URG2PV50H6N	64 ⁷ / ₁₆	22	3 or 4	49 ⁷ / ₈	11 ¹ / ₂	56 ³ / ₄	57 ⁷ / ₈	26 ⁷ / ₈	11	13 ¹ / ₂	50 ¹ / ₈	3/4	3/4	1/2	192
URG2PV75H6N	67 ³ / ₈	26	3 or 4	51 ⁷ / ₈	11 ¹ / ₂	59 ⁵ / ₈	61 ¹ / ₈	30 ¹¹ / ₁₆	11	13 ³ / ₈	51 ¹ / ₂	3/4	3/4	1/2	270

Model Number	A Floor to Top of Blower mm.	B Jacket Dia. mm.	C Vent Size mm.	D Floor to T&P Conn. mm.	E Floor to Gas Conn. mm.	F Floor to Top of Heater mm.	G Floor to Water Conn. mm.	H Depth mm.	J C/L of Water Conn. mm.	K Floor to Space Heating Inlet mm.	L Floor to Space Heating Outlet mm.	M Water Conn. NPT mm.	R Space Heating Conn. Size mm.	S Gas Conn. Size mm.	Approx. Shipping Weight kg.
URG1PV40S6N	1408	508	51 or 76	1019	292	1199	1243	665	203	N/A	N/A	19	N/A	13	65
URG1PV50S6N	1434	559	51 or 76	1032	292	1249	1264	692	203	N/A	N/A	19	N/A	13	77
URG2PV40T6N	1651	508	51 or 76	1262	292	1441	1468	660	203	N/A	N/A	19	N/A	13	68
URG2PV50T6N	1651	559	51 or 76	1267	292	1441	1489	691	203	N/A	N/A	19	N/A	13	80
URG2PV50H6N	1637	559	76 or 102	1267	292	1441	1490	683	279	343	1273	19	19	13	87
URG2PV75H6N	1711	660	76 or 102	1318	292	1514	1553	779	279	340	1308	19	19	13	122

Available in Natural Gas only. For 10 year models, change suffix from "6" to "10".

* Based on manufacturer's rated recovery efficiency.

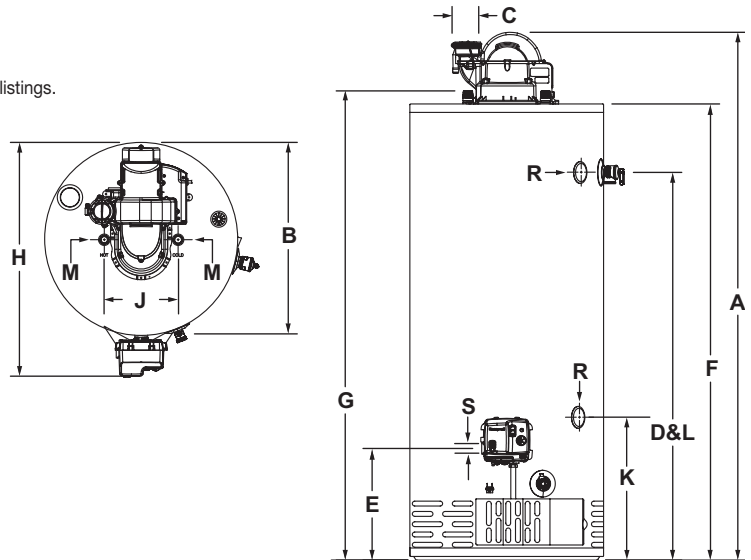
110 VAC Required for Power Venting / 110 VAC, 60Hz., 3.1 Amperes.

Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

URG1PV40S6N URG1PV50S6N URG2PV40T6N URG2PV50T6N	2" (51mm) Vent Pipe	3" (76mm) Vent Pipe	4" (102mm) Vent Pipe
Max. Equivalent Length	†50 ft. †15.2m	†120 ft. †36.6m	†200 ft. †61.0m
Min. Equivalent Length	7 ft. 2.1m	15 ft. 4.6m	15 ft. 4.6m
Number of 90° Elbows	1 45 ft. 13.7m 2 40 ft. 12.2m 3 35 ft. 10.7m	115 ft. 35.0m 110 ft. 33.5m 105 ft. 32.0m	195 ft. 59.4m 190 ft. 58.0m 185 ft. 56.4m

URG2PV50H6N URG2PV75H6N	3" (76mm) Vent Pipe	4" (102mm) Vent Pipe
Max. Equivalent Length	†75 ft. †23.0m	†180 ft. †55.0m
Min. Equivalent Length	7 ft. 2.1m	15 ft. 4.6m
Number of 90° Elbows	1 70 ft. 21.3m 2 65 ft. 20.0m 3 60 ft. 18.3	175 ft. 53.3m 170 ft. 52.0m 165 ft. 50.3m

† For high altitude installations, consult the installation instructions.



GENERAL:

Meets NAECA Requirements, as applicable. All gas water heaters are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure. All water connections are 3/4" NPT (19mm) all gas connections are 1/2" (13mm). All models design-certified by CSA International (formerly AGA/CGA) to ANSI standard Z21.10.1.

Suitable for Water (Potable) Heating and Space Heating. Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



Sales: 800-523-2931

24/7 Technical Support: 800-334-3393 • Email TechServ@bradfordwhite.com

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