

# Light-Duty Ultra Low NOx Direct Vent Commercial Gas Water Heater

## Features

- **Bradford White ICON System®**—Intelligent gas control with no need for external electricity. Proprietary algorithms provide tighter temperature differential and consistent water temperature levels up to 160°F (70°C). LED light indicates 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

- **Cast Aluminum Air Intake Boot**—Provides exceptional durability during installation and operation.
- **Telescoping Solid Vent Kits**—Allow up to 8ft. (2.4m) vertical and 8ft. (2.4m) horizontal vent lengths.\*\*
- **Flexible Vent Kit**—Maximum vent length can be flexed to 100" (2540mm).\*\*
- **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.
- **Design Certified by CSA International.**
- **Complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit).**

\*\*Horizontal termination only.



Photo is of ULG2DV50H453N

  
**ICON**  
System

  
SUPERIOR PROTECTION SINCE 1981

+

**MICROBAN**

**Hydrojet**



### 3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit [www.bradfordwhite.com](http://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.

# Light-Duty Ultra Low NOx Direct Vent

## Commercial Gas Water Heater

### SPECIFICATIONS

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). C.E.C. Listed. Recovery efficiency ranging up to 78%.

Model Number	Rated Nominal Volume		DOE Rated Storage Volume (Gal.)	Input BTU/Hr.	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 100°F Rise*		Model Number	Rated Nominal Volume	DOE Rated Storage Volume (Liters)	Input kW	First Hour Rating (Liters)	Uniform Energy Factor	Recovery at 56°C Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH		Liters					Liters/Hour	
ULG2DV50H453N	48	40	46	45,000	83	0.63	43	35	ULG2DV50H453N	182	174	13.2	314	0.63	163	
Model Number	A Floor to C/L of Vent Conn. in.	B Jacket Dia. in.	C Vent Size in. ID / OD	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	
ULG2DV50H453N	75 5/16	22	4 6	58 13/16	15 1/16	58 13/16	61 1/16	33 5/16	11	15 3/4	58 13/16	3/4	3/4	1/2	201	
Model Number	A Floor to C/L of Vent Conn. mm.	B Jacket Dia. mm.	C Vent Size mm. ID / OD	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	
ULG2DV50H453N	1913	559	102 152	1494	383	1494	1551	846	279	400	1494	19	19	13	91	

Available in Natural Gas only. For 5 year models change suffix from "3" to "5".

\* Based on manufacturer's rated recovery efficiency.

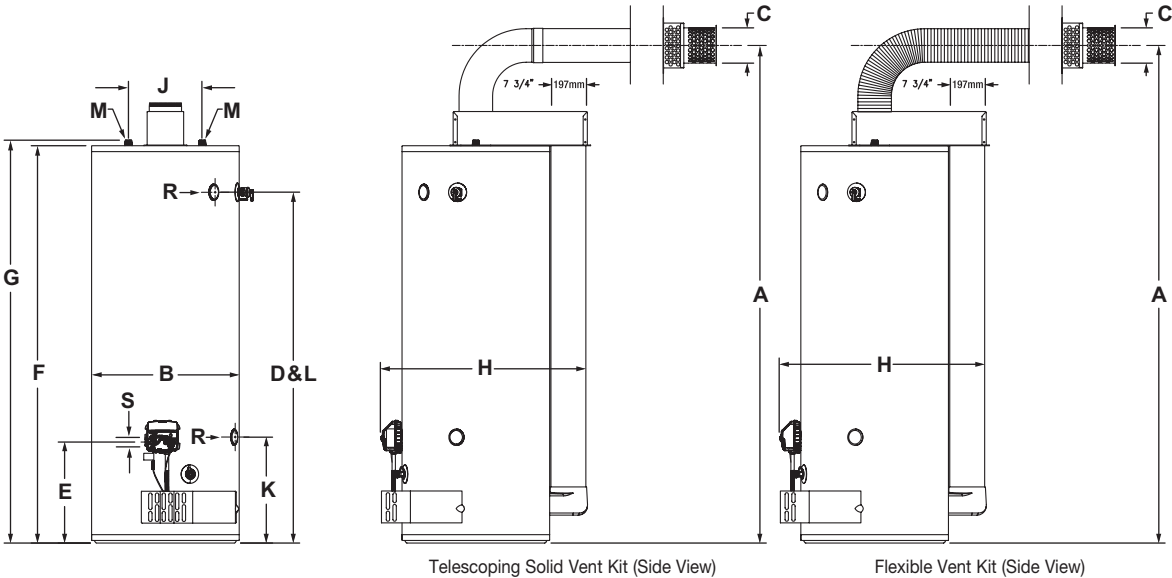
Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

**Solid Vent Kit:** Part No. 415-51286-00. **Flexible Vent Kit:** Part No. 415-51287-00.

Kits can be ordered and shipped with water heater, or ordered and shipped separately. For vent kit components and venting instructions, refer to Installation and Operation Manual.

### Optional Telescoping Solid Vent Kits:

Kit "F"	Telescopes from 4¾" to 5⅞"	(121mm to 145mm)	Part No. 239-42516-00
Kit "G"	Telescopes from 6½" to 9⅞"	(165mm to 233mm)	Part No. 415-42517-00
Kit "H"	Telescopes from 13¾" to 23⅞"	(349mm to 602mm)	Part No. 415-42514-00
Kit "I"	Telescopes from 49⅞" to 95⅞"	(1265mm to 2434mm)	Part No. 415-42512-00



### GENERAL:

Meets NAECA Requirements. All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All potable water connections are 3/4" NPT (19mm). All gas connections 1/2" (13mm). All models design-certified by CSA International, ANSI Z21.10.1 and peak performance rated.

**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.