



Balanced Flue Direct Vent Residential Gas Water Heaters

Direct Vent / Sealed Combustion

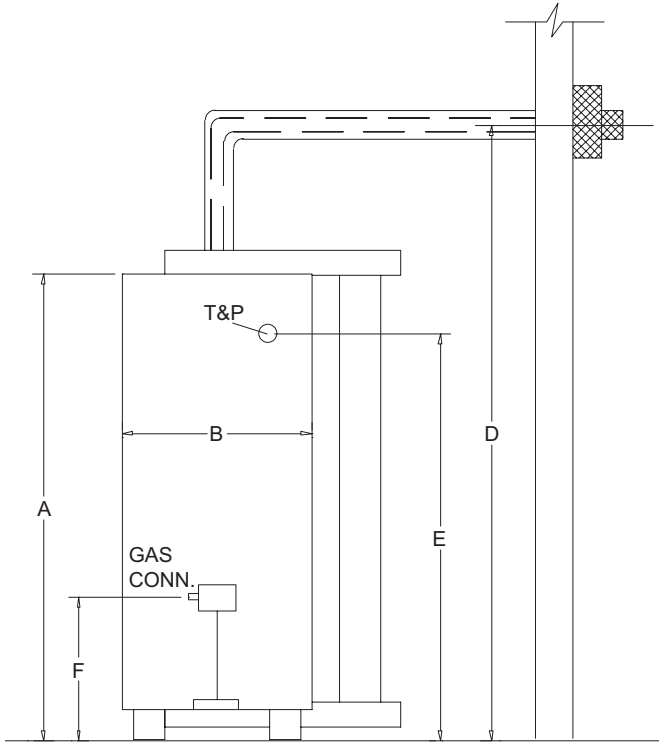
Lochinvar's Balanced Flue models are available in capacities of 30 & 40 gallons and feature a sealed combustion direct vent system. All models meet or exceed the NAECA and ASHRAE Energy Efficiency Standards.

Standard Features

- **Sealed Combustion / Direct Vent System** - The co-axial vent rotates 360° providing installation flexibility. The concentric vent system draws all combustion air from outside the building through the outer pipe and exhausts the by-products of combustion through the inner pipe, of the two-pipe system, directly outdoors.
- **Piezo Ignitor** - provides easy pilot ignition with the push of a button.
- **Low NOx Burner** - This whisper quiet, 360° burner incorporates aluminized steel into its die-formed design. The large burner diameter transfers more heat, while providing clean and efficient combustion. Satisfies local codes and emissions standards.
- **Non-CFC Foam Insulation** - Improved formulation provides uniform tank coverage with a thick blanket of R-8.33 insulating foam. This non-CFC polyurethane closed cell foam minimizes standby losses and maximizes heat retention.
- **Glass-Lined Steel Tank** - The tank is automatically formed, rolled, and welded to ensure a continuous seam for the glass lining. The durable glass lining is fused to the interior of the tank at 1600°F to assure lasting protection against rust and corrosion while providing clean, clear hot water.
- **Magnesium Tank Saver Anode** - High capacity anode rod provides protection from the effects of electrolytic corrosion.
- **Adjustable Thermostat** - This accurate control provides an easy way to reset water temperature for best economy. Automatic over-heat safety device is standard.
- **Dielectric Nipples** - Factory installed waterways protect the tank from the corrosive action between dissimilar metals, while providing piping convenience.
- **Temperature & Pressure Relief Valve**
- **Brass Drain Valve**
- **Warranty** - Six or Ten year limited tank warranty. Six year warranty on parts. (See warranty for details)



Dimensions and Specifications



Optional Vent Kits	
Kit Number	Dimensions
DRH1145	4 - 8 ft
DRH1148	4-3/4" - 5-3/4"
DRH1149	6-1/2" - 9-1/4"
DRH1150	14" - 24"

Note: Proper installation permits a maximum vertical rise of 48" and a maximum horizontal run of 96".

Model Number	Natural Gas			LP Gas			A	B	C	D	E	F	Vent Size*	Ship. Wt.
	Gal. Cap.	Btu/hr Input	GPH @ 90°F Rise	Input Btu/hr	GPH @ 90°F Rise									
BFN040G	40	38,000	41	36,000	39	49-3/4"	20"	27-3/4"	63-1/4"	43-1/2"	15"	3"/5"	162	
BFN050G	50	42,000	45	40,000	43	58-3/4"	20"	27-3/4"	72-1/4"	52-1/4"	15"	3"/5"	181	

Notes: Replace "N" with "L" for LP gas models.

All LP models are equipped with a cast iron burner

*Internal exhaust vent is 3" diameter;

*External air intake is 5" diameter.

Performance data is based on manufacturer test results.

"B" prefix indicates 6 year tank warranty

Replace "B" with "S" for 10 year tank warranty.

All gas connections are 1/2".

All water connections are 3/4" NPT.

Certified for Potable Water and Space Heating Applications

This water heater is suitable for water heating and space heating. Toxic chemicals, such as those used for boiler water treatment shall NEVER be introduced into this system. This water heater may NEVER be connected to any existing heating system or components previously used with non-potable water heating appliances.

All models available with either a Six Year Limited Warranty or a Ten Year Limited Warranty Against Tank Failure. All parts are warranted for six years. Three year limited warranty on all models when installed in a commercial application.



Lochinvar[®]
High Efficiency Water Heaters, Boilers and Pool Heaters



Lochinvar Corporation • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax: 615-547-1000

www.Lochinvar.com