



Ultra Low NOx Residential Gas Water Heaters

Ultra Low NOx Models

Lochinvar's Ultra Low NOx residential gas models are available in 30, 40 and 50 gallon capacities in short and tall configurations. The Ultra Low NOx burner meets 10 ng/j NOx requirement for the South Coast Air Quality Management District.

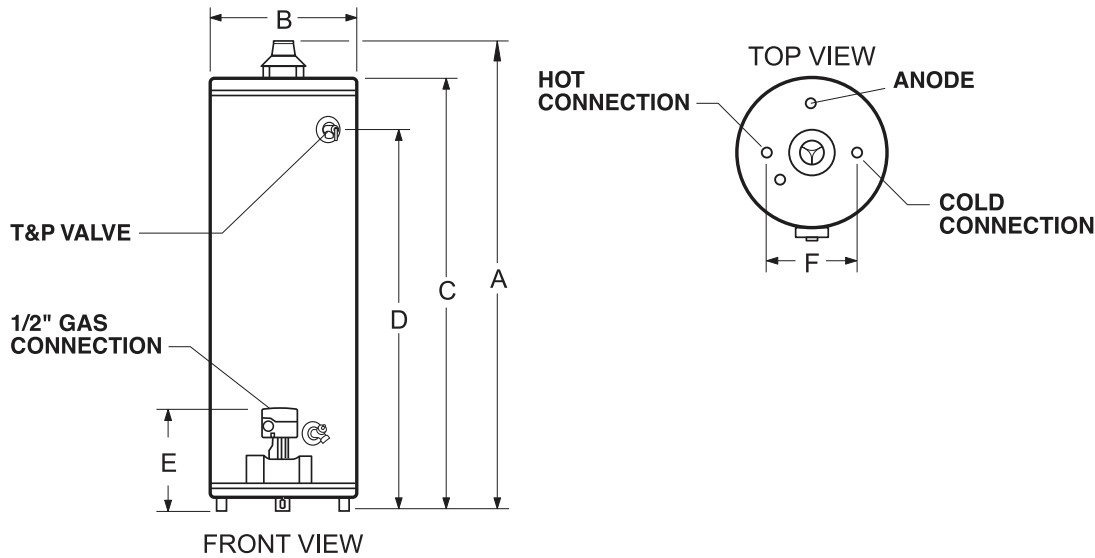
Standard Features

- **South Coast Approved** – The patented radial burner design reduces NOx emissions to 10 ng/j of NOx which complies with South Coast Rule 1121 for low NOx performance.
- **Code Compliance** – Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended.
- **Flammable Vapor Ignition Resistant** – Combustion air is directed through a stainless steel flame arrestor plate specifically designed to prevent flame rollout and flammable vapor ignition. The design includes a safety thermal switch and protection from lint, dust and oil buildup.
- **Electronic Gas Control** – The gas valve features an internal microprocessor for precise temperature control, fast response and an LED status indicator for simplified service diagnostics. The valve is powered by a thermopile pilot requiring no external power source.
- **Glass-Lined Steel Tank** – The durable glass lining is fused to the steel tank at 1600°F to assure lasting protection against rust and corrosion while providing clear, clean hot water. 300 PSI test pressure; 150 PSI working pressure.
- **Non-CFC Foam Insulation** – A uniform coverage of thick closed-cell foam insulation minimizes standby heat loss, maximizes heat retention and delivers a high Energy Factor.
- **Tank Saver Anode** – A large diameter, high capacity anode inhibits corrosion of the tank interior for long, trouble-free service.
- **Heat Trap** – Heat traps are built into the inlet and outlet connections to eliminate heat migration and heat loss in the water piping.
- **Sight Glass** – A built-in sight glass provides an unobstructed view of the burner and pilot flame.
- **Temperature & Pressure Relief Valve** – Factory installed for optimum safety.
- **Brass Drain Valve** – An enhanced ball valve design for effective drainage and positive shut-off.
- **6 Year Limited Tank & Parts Warranty*** – See warranty sheet for details.
- **10 Year Extended Warranty** – Available for residential applications only.*
1-year limited tank & parts warranty when installed in a commercial application.



All models meet or exceed Federal and ASHRAE Energy Efficiency Standards

Dimensions and Specifications



Model Number	Nominal Gal. Cap.	Rated Storage Cap.	Btu/Hr Input	UEF	1st Hr. Rating	GPH @ 90°F Rise	A	B	C	D	E	F	Gas Conn.	Water Conn.	Vent Size	Ship. Wt.
Ultra Low NOx - Short Models																
USN040 40	40	38	40,000	0.57	72	41	51-1/2"	22"	47-3/4"	41-1/4"	12"	8"	1/2"	3/4"	3" or 4"	138
Ultra Low NOx - Tall Models																
UTN030 30	30	29	30,000	0.58	67	31	60"	17-3/4"	56-1/2"	49-1/4"	11-1/4"	8"	1/2"	3/4"	3" or 4"	126
UTN040 40R	40	38	40,000	0.64	81	41	62"	20"	58-1/4"	52"	12"	8"	1/2"	3/4"	3" or 4"	125
UTN050 40R	50	48	40,000	0.64	84	42	60-3/4"	22"	57-1/4"	50-1/2"	12"	8"	1/2"	3/4"	3" or 4"	148
UTN050 50	50	48	50,000	0.60	91	51	61"	22"	57-1/2"	50-1/2"	12-1/4"	8"	1/2"	3/4"	4"	177

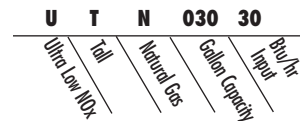
Notes: Ultra Low NOx models are available in Natural Gas ONLY.

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.

For Power Vented Models, see the "Ultra-Low NOx Power Vented Residential Gas Water Heaters" literature sheet.

FOR EASE IN ORDERING BY MODEL NUMBER



This is a tall residential Ultra Low NOx natural gas 30 gallon water heater with 33,000 Btu/hr input.



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