

## Energy Saver Gas Models

Lochinvar's Energy Saver residential gas models are available in 30, 40, and 50 gallon capacities in short and tall configurations.

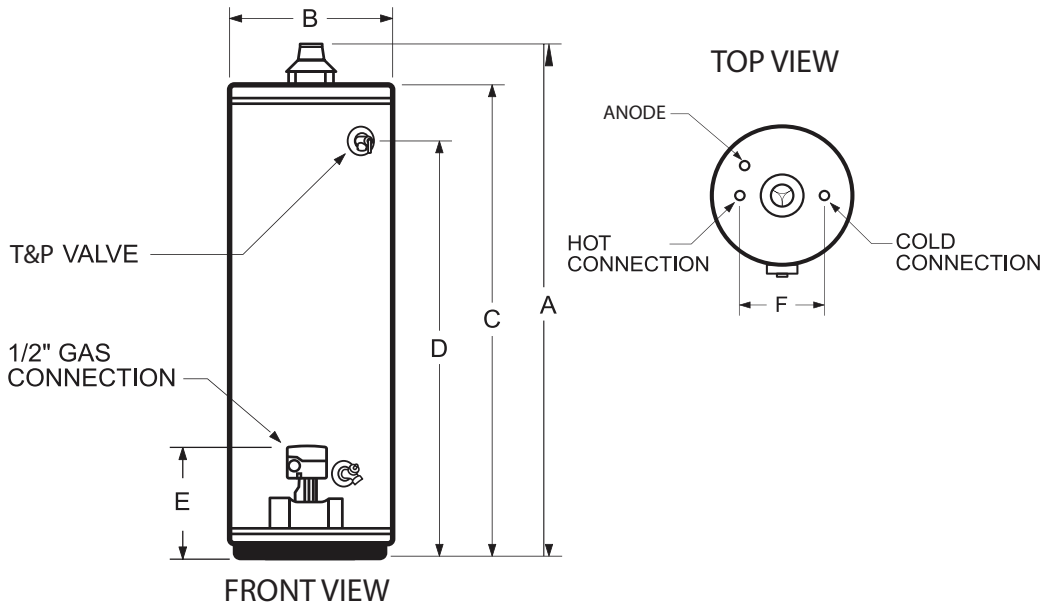
### Standard Features

- **Code Compliance** - The Energy Saver residential gas water heater meets the National Appliance Energy Conservation Act (NAECA) Energy Factor requirements effective April 16, 2015. Meets the thermal efficiency and standby loss requirements of ASHRAE/IES 90.1. Meets UBC, CEC and HUD national codes.
- **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.
- **Low NOx Burner** - The patented radial burner design reduces NOx emissions by more than 33% delivering less than 40 ng/j of NOx.
- **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.
- **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** – Available for residential applications only.

\*1-year limited tank & parts warranty when installed in a commercial application.



# Dimensions and Specifications:



### FOR EASE IN ORDERING BY MODEL NUMBER

|                 |          |             |                 |            |
|-----------------|----------|-------------|-----------------|------------|
| <b>G</b>        | <b>S</b> | <b>N</b>    | <b>030</b>      | <b>35</b>  |
| Residential Gas | Short    | Natural Gas | Gallon Capacity | Input Rate |

This is a short residential natural gas 30 gallon water heater with 35,500 Btu/Hr input rate.

| Model Number   | Nat. Gas  |              | LP Gas       |               | Energy Factor | 1st Hr. Rating | GPH @ 90°F Rise | A   | B       | C       | D       | E  | F    | Gas Conn. | Water Conn. | Vent Size | Ship. Wt. |
|--|-----------|--------------|--------------|---------------|---------------|----------------|-----------------|-----|---------|---------|---------|----|------|-----------|-------------|-----------|-----------|
|  | Gal. Cap. | Btu/Hr Input | Btu/Hr Input | Energy Factor |               |                |                 |     |         |         |         |    |      |           |             |           |           |
| <b>Energy Saver with Insulation Blanket - Short Models</b> |           |              |              |               |               |                |                 |     |         |         |         |    |      |           |             |           |           |
| GSN030 35B   | 30        | 35,500       | 32,000       | 0.63          | 56            | 36             | 50"             | 18" | 46-1/4" | 40"     | 12"     | 8" | 1/2" | 3/4"      | 3" or 4"    | 110       |           |
| GSN040 40B   | 40        | 40,000       | 36,000       | 0.62          | 67            | 41             | 51-1/2"         | 20" | 47-3/4" | 41-1/4" | 12"     | 8" | 1/2" | 3/4"      | 3" or 4"    | 134       |           |
| <b>Energy Saver - Short Models</b>                         |           |              |              |               |               |                |                 |     |         |         |         |    |      |           |             |           |           |
| GSN030 35  | 30        | 35,500       | 32,000       | 0.63          | 62            | 36             | 50"             | 20" | 46-1/4" | 40"     | 12"     | 8" | 1/2" | 3/4"      | 3" or 4"    | 118       |           |
| GSN040 40  | 40        | 40,000       | 36,000       | 0.62          | 68            | 41             | 51-1/2"         | 22" | 47-3/4" | 41-1/4" | 12"     | 8" | 1/2" | 3/4"      | 3" or 4"    | 135       |           |
| GSN050 40  | 50        | 40,000       | 40,000       | 0.60          | 93            | 41             | 53"             | 24" | 49-1/4" | 41-1/2" | 12"     | 8" | 1/2" | 3/4"      | 3" or 4"    | 177       |           |
| <b>Energy Saver with Insulation Blanket - Tall Models</b>  |           |              |              |               |               |                |                 |     |         |         |         |    |      |           |             |           |           |
| GTN030 35B   | 30        | 35,500       | 32,000       | 0.63          | 64            | 36             | 61-3/4"         | 16" | 58"     | 51-3/4" | 12-1/4" | 8" | 1/2" | 3/4"      | 3" or 4"    | 123       |           |
| GTN040 40B   | 40        | 40,000       | 36,000       | 0.62          | 70            | 41             | 62"             | 18" | 58-1/4" | 52"     | 12-1/4" | 8" | 1/2" | 3/4"      | 3" or 4"    | 130       |           |
| GTN050 60B*  | 50        | 60,000       | 54,000       | 0.60          | 98            | 61             | 65-1/2"         | 22" | 61"     | 54-1/4" | 13-1/2" | 8" | 1/2" | 3/4"      | 4"          | 190       |           |
| <b>Energy Saver - Tall Models</b>                          |           |              |              |               |               |                |                 |     |         |         |         |    |      |           |             |           |           |
| GTN030 35  | 30        | 35,500       | 32,000       | 0.63          | 67            | 36             | 61-3/4"         | 18" | 58"     | 51-3/4" | 12-1/4" | 8" | 1/2" | 3/4"      | 3" or 4"    | 132       |           |
| GTN040 35  | 40        | 35,500       | N/A          | 0.62          | 67            | 36             | 62"             | 20" | 58-1/4" | 52"     | 12-1/4" | 8" | 1/2" | 3/4"      | 3" or 4"    | 138       |           |
| GTN040 40*   | 40        | 40,000       | 36,000       | 0.62          | 70            | 41             | 62"             | 20" | 58-1/4" | 52"     | 12-1/4" | 8" | 1/2" | 3/4"      | 3" or 4"    | 138       |           |
| GTN050 40*   | 50        | 40,000       | 37,000       | 0.60          | 88            | 41             | 60-3/4"         | 21" | 57-1/4" | 50-1/2" | 12-1/4" | 8" | 1/2" | 3/4"      | 3" or 4"    | 148       |           |
| GTN050 50*   | 50        | 50,000       | 45,000       | 0.60          | 92            | 58             | 60-3/4"         | 22" | 57-1/4" | 50-1/2" | 12-1/4" | 8" | 1/2" | 3/4"      | 4"          | 165       |           |

Notes: In the model number, "N" indicates Natural gas; replace "N" with "L" to indicate L.P. gas models

\* Optional Side Tappings are available on these models. Add "ST" to the end of the model number (Ex: GTN04040ST).

### 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.



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