**ENERGY STAR® Supplement**

This supplement is for the WGO and WTGO boilers rated for ENERGY STAR® compliance. The boilers listed in the following chart are in compliance with ENERGY STAR Program version 3.0 when equipped with the appropriate Oil Vent Damper (OVD) kits listed on page 2.

This supplement needs to be used in conjunction with Boiler Manual - Series 3 - WGO - P/N 550-141-826 and WTGO - P/N 550-141-825 and Series 4 - WGO - P/N 550-142-331 and WTGO - P/N 550-142-332.

**AHRI Certified Ratings**

<table>
<thead>
<tr>
<th>Boiler Model (9)</th>
<th>Burner Input</th>
<th>Heating Capacity</th>
<th>Seasonal Efficiency</th>
<th>Net Rating (water)</th>
<th>Draft Loss Thru boiler</th>
<th>Boiler Water Content</th>
<th>Flue Outlet Diameter</th>
<th>Minimum Chimney</th>
<th>OVD Damper Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GPH (3)</td>
<td>MBH (3)</td>
<td>MBH (2)</td>
<td>AFUE %</td>
<td>MBH (2) (5)</td>
<td>In W.C. (8)</td>
<td>Gallons</td>
<td>Inches (7)</td>
<td>Rect. Inches</td>
</tr>
<tr>
<td>WGO-2RD</td>
<td>0.70</td>
<td>98</td>
<td>86 (4)</td>
<td>87.0</td>
<td>75</td>
<td>.010</td>
<td>11.0</td>
<td>7</td>
<td>8 x 8</td>
</tr>
<tr>
<td>WGO/WTGO-3RD</td>
<td>0.80</td>
<td>112</td>
<td>98 (4)</td>
<td>87.0</td>
<td>85</td>
<td>.010</td>
<td>14.9</td>
<td>7</td>
<td>8 x 8</td>
</tr>
<tr>
<td>WGO/WTGO-4RD</td>
<td>1.00</td>
<td>140</td>
<td>123 (4)</td>
<td>87.0</td>
<td>107</td>
<td>.010</td>
<td>13.4</td>
<td>7</td>
<td>8 x 8</td>
</tr>
<tr>
<td>WGO/WTGO-5RD</td>
<td>1.20</td>
<td>168</td>
<td>148 (4)</td>
<td>87.0</td>
<td>129</td>
<td>.015</td>
<td>15.9</td>
<td>7</td>
<td>8 x 8</td>
</tr>
<tr>
<td>WGO/WTGO-6RD</td>
<td>1.40</td>
<td>196</td>
<td>173 (4)</td>
<td>87.0</td>
<td>150</td>
<td>.015</td>
<td>18.4</td>
<td>7</td>
<td>8 x 8</td>
</tr>
<tr>
<td>WGO/WTGO-7RD</td>
<td>1.60</td>
<td>224</td>
<td>197 (4)</td>
<td>87.0</td>
<td>171</td>
<td>.015</td>
<td>20.8</td>
<td>7</td>
<td>8 x 8</td>
</tr>
</tbody>
</table>

- **WGO/WTGO boiler designed with convertible vertical and horizontal flue outlet.**
- **MBH** refers to thousands of Btu per hour.
- **Based on 140,000 Btu/gal.**
- **Based on standard test procedures prescribed by the United States Department of Energy at combustion condition of 13.5% CO₂ and -0.02” W.C. draft overfire.**
- **Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pick-up. Water ratings are based on a piping and pick-up allowance of 1.15. An additional allowance should be made for unusual piping and pick-up loads.**
- **n/a.**
- **See boiler manual for minimum breeching diameter.**
- **Listed draft losses are for factory-shipped settings.**
- **Boiler model suffixes: “R” designates a reduced input version. No separate/additional damper kit required. “D” designates that the separate High Input OVD Automatic Vent Damper is required. “RD” designates a reduced input version and the separate ES Vent damper is required (P/N 381-800-501 through 381-800-506).**
- **Based on standard test procedures prescribed by the United States Department of Energy at combustion of 13.0% CO₂ and -0.02” W.C. draft overfire.**

**NOTE:** A burner nozzle change may be required - refer to the burner instructions or boiler's rating label for correct selection.

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**NOTICE**

When installing the damper with the WGO/WTGO boiler, place the new conversion label and energy guide labels included with the kit on the boiler. EnergyGuide labels should be placed next to the existing labels. Place conversion label as close as possible to existing rating label.
The WGO/WTGO boilers with reduced rates, when installed with the oil vent damper, comply with the guidelines of ENERGY STAR. The OVD vent damper, kit part numbers (below), must be installed in accordance with the damper installation manual. Models WGO-2RD, WGO/WTGO-3RD, WGO/WTGO-4RD, WGO/WTGO-5RD, WGO/WTGO-6RD and WGO/WTGO-7RD Series 3 and 4 are ENERGY STAR tested and certified.

<table>
<thead>
<tr>
<th>Boiler Model</th>
<th>Vent Damper Part Number</th>
</tr>
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<tbody>
<tr>
<td>WGO-2RD</td>
<td>381-800-501</td>
</tr>
<tr>
<td>WGO/WTGO-3RD</td>
<td>381-800-502</td>
</tr>
<tr>
<td>WGO/WTGO-4RD</td>
<td>381-800-503</td>
</tr>
<tr>
<td>WGO/WTGO-5RD</td>
<td>381-800-504</td>
</tr>
<tr>
<td>WGO/WTGO-6RD</td>
<td>381-800-505</td>
</tr>
<tr>
<td>WGO/WTGO-7RD</td>
<td>381-800-506</td>
</tr>
</tbody>
</table>

Vent damper installation is required for ENERGY STAR compliance. When installing the boiler for ENERGY STAR compliance, wire all controls from vent damper and thermal switch in accordance with the OVD damper manual and the following wiring diagrams.
Back outlet breeching for OVD vent damper connection

OVD Damper (Required)

Typical location for barometric control
(Also see control manufacturer's instructions)

BVSS (WMO-1)
(Integrated with damper)
BVSS must be installed upstream of the barometric damper.
See Field Controls OVD manual for proper installation.

Flue pipe bracket
(One on each side of pipe)

Top outlet breeching for OVD vent damper connection

OVD Damper (Required)

Typical location for barometric control
(Also see control manufacturer's instructions)

BVSS (WMO-1)
(Integrated with damper)
BVSS must be installed upstream of the barometric damper.
See Field Controls OVD manual for proper installation.

Flue pipe bracket
(One on each side of pipe)
WARNING  SERVICE TECHNICIAN ONLY — read and follow completely.