Internal Coil Solar/Gas Hybrid Commercial Water Heaters

Solar Thermal Water Heating with Natural Gas or Propane Backup

- 76,000 BTU/hr natural gas or propane
  - Vertical or horizontal PVC/CPVC/ABS vent
  - Zero clearance to combustibles
  - Room or outside combustion air
- 75/100 gallon capacities
- 120°F to 180°F settable temperature
- Self-diagnostic control
- 1” NPT connections
- Glass-fused-to-steel tank interior
- Ecomate® insulation
- Two magnesium anode rods
- Factory installed T&P relief valve
- Factory installed brass drain valve
- Steel exterior with powder coat finish
- Solar-Thermal
  - Internal coil heat exchanger
  - Sensor immersion well

Turboflue® High Performance Heat Exchanger:
- Patented helical-fin multi-stage design
- Superior heat conduction and fuel efficiency

Made in the USA

Six-Year Limited Tank/Heat Exchanger Warranty – Residential Installations
Five-Year Limited Tank/Heat Exchanger Warranty – Commercial Installations

COMMERCIAL
• SOLAR/GAS HYBRID•

WE TAKE WATER HEATERS PERSONALLY
Model Storage GAL (L) Dimensions Inches (cm) Inlet Conn. Dia. NPT Outlet Conn. Dia. NPT Aux. Conn. Dia. NPT Gas Conn. Dia. NPT Shipping Weight LBS (kg)

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-76SKGN</td>
<td>73 (276.34)</td>
<td>76.88 (195.26)</td>
<td>67.25 (170.82)</td>
<td>26.00 (66.04)</td>
<td>60.00 (152.40)</td>
<td>28.19 (71.60)</td>
<td>16.00 (40.64)</td>
<td>11.00 (27.94)</td>
<td>43.50 (110.49)</td>
</tr>
<tr>
<td>100-76SKGN</td>
<td>98 (370.97)</td>
<td>76.88 (195.26)</td>
<td>67.25 (170.82)</td>
<td>28.00 (71.12)</td>
<td>60.00 (152.40)</td>
<td>28.19 (71.60)</td>
<td>16.00 (40.64)</td>
<td>11.00 (27.94)</td>
<td>43.50 (110.49)</td>
</tr>
</tbody>
</table>

Minimum and Maximum Vent and Air Intake Pipe Lengths (Two-Pipe Terminations)

<table>
<thead>
<tr>
<th>Model</th>
<th>Pipe Ø (in)</th>
<th>Minimum Equivalent Pipe Length (per pipe run)</th>
<th>Maximum Equivalent Pipe Length (per pipe run)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Air Intake FT (m)</td>
<td>Vent FT (m)</td>
<td>Air Intake FT (m)</td>
</tr>
<tr>
<td>75-76SKGN</td>
<td>3</td>
<td>5 (1.52)</td>
<td>12 (3.66)</td>
</tr>
<tr>
<td>100-76SKGN</td>
<td>4</td>
<td>5 (1.52)</td>
<td>12 (3.66)</td>
</tr>
</tbody>
</table>

Equivalent straight pipe length of 90° elbow equals 5 feet.

For LP models change suffi x “N” to “LP”

Working Pressure: 150 PSI (1034 kPa)
Test Pressure: 300 PSI (2068 kPa)
For natural gas: manifold pressure = 4.0” w.c. (1.00 kPa); Inlet pressure range = 5 - 14” w.c. (1.25 - 3.49 kPa)
For propane gas: manifold pressure = 10” w.c. (2.49 kPa); Inlet pressure range = 11 - 14” w.c. (2.74 - 3.49 kPa)
T&P valve factory installed

All Bock products meet or exceed current ASHRAE standards
These products are design certified by UL (Underwriters Laboratories) and meet ANSI Z21.10.3/CSA 4.3 requirements for operation up to 180°F (82°C).
Approved for use as direct vent automatic storage water heater.

Warning: Installation should be in accordance with all national and/or local codes.
In the absence of local codes, refer to NFPA 54 and/or CSA B149.1.

Caution: The recommended maximum hot water temperature setting for normal residential use is 120°F (49°C). Bock recommends a tempering valve or anti-scald valve be installed and used according to the manufacturer’s directions to prevent scalding.

For all models, inlet pressure range is 5 - 14” w.c. (1.25 - 3.49 kPa)