Efficiency at its Best

Hot Water Makers®

Efficiency at its Best™
Amtrol has a long tradition of innovative products for the Plumbing & Heating market including BoilerMate, the industry’s first indirect-fired water heater. Nearly four decades later, our residential lineup includes new models and options to fit any budget. All BoilerMate water heaters continue to represent a great value in comfort, energy efficiency and long-term reliability.

**Bimodal HDPE Poly Bottle**
- High Density Polyethylene (HDPE) bottle for clean, fresh water.
- Corrosion-proof material resists chlorides, scale and aggressive water with no anode rod required.
- Advanced high-temp polymer rated to 180°F.

**Energy Efficient Insulation**
- Unique molded insulation eliminates gaps to minimize heat loss.
- Form fitted to bottle and outer shell for enhanced efficiency.

**Deep Drawn Pressure Shell**
- Deep drawn domes offer twice the strength of traditional construction.
- Precision welded with rugged steel base.
- High gloss finish available in Blue, Red or Gray.

**Top-Mount Heat Exchanger**
- Easy-to-install with all connections at the top of the tank.
- Heat exchanger is removable for cleaning and service.
- Affordable Double Wall option for regional code compliance.

**Flexible Warranty Protection Plan**
- Six-Year Factory warranty.
- Limited Lifetime option is a homeowner-purchased upgrade administered directly by Amtrol. Upgrade registration information included in carton.
### Model Specifications & Options

#### CH Models

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY (gallons)</th>
<th>HEIGHT (inches)</th>
<th>DIAMETER (inches)</th>
<th>SHIPPING WEIGHT (lbs.)</th>
<th>COLD WATER INLET</th>
<th>HOT WATER OUTLET</th>
<th>BOILER SUPPLY</th>
<th>BOILER RETURN</th>
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<tr>
<td>CH-41ZDW</td>
<td>41</td>
<td>48</td>
<td>22</td>
<td>134</td>
<td>3/4&quot; NPTF</td>
<td>3/4&quot; NPTF</td>
<td>3/4&quot; Union Sweat</td>
<td>3/4&quot; Union Sweat</td>
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<td>190</td>
<td>3/4&quot; NPTF</td>
<td>3/4&quot; Union Sweat</td>
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#### Performance

**CH-41**

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<tr>
<th>BOILER OUTPUT</th>
<th>FIRST-HOUR RATING (90°F rise)</th>
<th>CONTINUOUS FLOW (70°F rise)</th>
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<td>BTU/HR</td>
<td>GAL</td>
<td>GPH</td>
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**CH-80**

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<tr>
<td>100,000</td>
<td>201</td>
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</table>

#### Option Codes

- **Z** = Mechanical control with dial aquastat.
- **DW** = Double Wall coil vented to atmosphere.
- **CT** = Constant temperature w/ASSE1017 mixing valve & antilegionella set point.

#### Finishes

- Blue (Standard)
- Red
- Gray

#### Typical Installation

- Boiler Supply
- Cold Water Supply
- Therm-X-Trol® Water Heater
- Expansion Tank
- EXTROL® Boiler Expansion Tank
- and Air Purger
- Boiler Return
- Hot Water Supply
- Blowdown Tube
- To Heating Zones
- Zone Returns
Whenever you choose Amtrol, you’re getting more than just a great product. The Amtrol Advantage™ combines the Industry’s best brands with world class customer service and valuable installer initiatives.

- Amtrol Rewards™ installer points program
- Tanks on Tour™ field training vehicle
- Sizing and application tools