Applications
Specifically designed for the following uses:
• Hot Water Circulation
• Fan Coil Heating
• Solar Heating
• Radiant Heating Systems

Specifications
Pump:
• Max Capacities: 6 GPM
• Max Head: 13’
• Pipe Connections:
  ½” FPT and ½” Sweat Suction and Discharge
• Maximum Working Pressure: 145 PSI
• Maximum Temperature: 203° F
• Rotation: counter clockwise when viewed from the motor end

Motor:
• Canned Spherical Motor Type
• World Voltage 100-240 Volt 50/60 Hz Cycle
• 12-28 Watts
• Automatic Overload Protection
• Low In-Rush Current

Features
Compact Design:
Close coupled, space saving design provides easy installation.

Mounting:
Pump can be mounted horizontally or vertically with motor end down.

Construction:
Wetted parts are brass, 316SS, thermoplastic, carbon and ceramic for superior corrosion resistance.

Ceramic Bearing Ball and Carbon Bearing Cap:
High density ceramic bearing ball and graphite impeller bearing cap designed for high efficiency and long life.

Impeller:
Highly efficient and dynamically balanced with carbon bearing for smooth ultra quiet operation.

Casing:
Casing is lead free brass construction.

Mechanical Seal:
Unique patented design has no mechanical seal which is a potential leak path.

Motor:
Highly efficient and ultra quiet spherical motor design. Pump is designed for continuous operation. All ratings are within working limits of the motor.

Electronics:
Embedded microprocessor control is self regulating and available with variable speed with PWM input or dial control (potentiometer) on the pump.

Noise level:
Whisper quiet, less than 40 db.

Weight:
Lightweight construction weighs less than 3lbs.
## Materials of Construction (Wetted Parts)

<table>
<thead>
<tr>
<th>Part</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Housing</td>
<td>Brass</td>
</tr>
<tr>
<td>“O” Ring</td>
<td>EPDM or Viton</td>
</tr>
<tr>
<td>Impeller</td>
<td>Polyphenylene Oxide (PPO)</td>
</tr>
<tr>
<td>Bearing</td>
<td>Carbon/Allumina Ceramic</td>
</tr>
<tr>
<td>All Other Wetted Parts</td>
<td>316 Stainless Steel</td>
</tr>
</tbody>
</table>

### Diagrams

![Diagram 1](image1)

![Diagram 2](image2)

### Chart

<table>
<thead>
<tr>
<th>Flow (GPM)</th>
<th>Head (ft)</th>
<th>Watts</th>
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<tbody>
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<tr>
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<td>10</td>
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<tr>
<td>6</td>
<td>0</td>
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