**Submittal Data Information**

**Model 003 Cartridge Circulator**

**Effective:** September 1, 2003

**Supersedes:** December 1, 2002

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>MODEL NO.</th>
<th>IMP. DIA.</th>
<th>G.P.M.</th>
<th>HEAD/FT.</th>
<th>H.P.</th>
<th>ELEC. CHAR.</th>
</tr>
</thead>
</table>

**Features**

- Reduces Erosion, Corrosion and Flow Noise in shorter pipe run applications
- Standard High Capacity Output-Compact Design
- Quiet, Efficient Operation
- Direct Drive-Low Power Consumption
- Unique Replaceable Cartridge Design-Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability-Maintenance Free
- Bronze Construction with Sweat, Threaded or Union Connections

**Materials of Construction**

- Casing (Volute): Bronze
- Stator Housing: Steel
- Cartridge: Stainless Steel
- Impeller: Non-Metallic
- Shaft: Ceramic
- Bearings: Carbon
- O-Ring & Gaskets: EPDM

**Model Nomenclature**

- B - Bronze, Sweat
- BC - Bronze, Sweat, Panel Mount Tappings
- BT - Bronze, Threaded
- BC-I - Bronze, Union, Panel Mount Tappings

**Application**

The Taco 003 is designed for circulating hot or chilled fresh water in open or closed loop, lower flow applications. Flow characteristics are ideal for Domestic Hot Water Recirculation, Heat Recovery units, Water Source Heat Pumps, and Potable Water systems. The unique, replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. The compact, low power consumption design is ideal for high efficiency jobs.

**Pump Dimensions & Weights**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>Ship Wt.</th>
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<tbody>
<tr>
<td>003-B4</td>
<td>5-1/8</td>
<td>3-1/4</td>
<td>3-1/2</td>
<td>105</td>
<td>3-1/16</td>
<td>3-1/16</td>
<td>2.7</td>
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<tr>
<td>003-BC4</td>
<td>5-1/8</td>
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<td>105</td>
<td>3-1/16</td>
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<tr>
<td>003-BC4-I</td>
<td>5-1/8</td>
<td>3-1/4</td>
<td>3-1/2</td>
<td>105</td>
<td>3-1/16</td>
<td>3-1/16</td>
<td>2.7</td>
</tr>
</tbody>
</table>

**Mounting Positions**

- Standard
- Optional
- OK if over 20 psi

**Electrical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Volts</th>
<th>Hz</th>
<th>Ph</th>
<th>Amps</th>
<th>RPM</th>
<th>HP</th>
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<tr>
<td>003 All Models</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>.43</td>
<td>3250</td>
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</tr>
</tbody>
</table>

Motor Type: Permanent Split Capacitor
Impedance Protected

**Performance Field - 60Hz**

**Do it Once. Do it Right.**

Taco, Inc., 1160 Cranston Street, Cranston, RI 02920  Telephone: (401) 942-8000  Fax: (401) 942-2360
Taco (Canada), Ltd., 6180 Ordan Drive, Mississauga, Ontario L5T 2B3  Telephone: (905) 564-9422  Fax: (905) 564-9436

Visit our website at: www.taco-hvac.com