Model 003 Cartridge Circulator

The compact Taco 003 Cartridge Circulator is designed for circulating hot and chilled fresh water in open and closed loop, lower flow applications. It reduces erosion corrosion and flow noise in shorter pipe run systems. The unique, replaceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. Its self-lubricating, maintenance free design provides quiet, efficient operation and unmatched reliability. Available in low-lead Bronze sweat or Stainless Steel threaded or union connections.
Submittal Data Information
Model 003 Cartridge Circulator

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
- Low-lead Bronze sweat or Stainless Steel with threaded or union connections

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 portable 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.

Performance Field - 60Hz

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Models</th>
<th>Conn.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>003-BC4</td>
<td>1/2&quot; Swt.</td>
<td>5-1/8</td>
<td>130</td>
<td>4-1/8</td>
<td>105</td>
<td>2-1/8</td>
<td>54</td>
<td>3-1/16</td>
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<tr>
<td>003-B4</td>
<td>3/4&quot; Swt.</td>
<td>5-1/8</td>
<td>130</td>
<td>4-1/8</td>
<td>105</td>
<td>2-3/16</td>
<td>56</td>
<td>3-1/16</td>
</tr>
<tr>
<td>003-ST4</td>
<td>3/4&quot;NPT</td>
<td>5-5/8</td>
<td>143</td>
<td>4-7/8</td>
<td>124</td>
<td>2</td>
<td>51</td>
<td>3-1/16</td>
</tr>
<tr>
<td>003-SC4-1</td>
<td>Union</td>
<td>5-3/8</td>
<td>131</td>
<td>4-11/32</td>
<td>110</td>
<td>2-31/32</td>
<td>76</td>
<td>3-1/16</td>
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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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</thead>
<tbody>
<tr>
<td>All 003 Models</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>.43</td>
<td>3250</td>
<td>1/40</td>
</tr>
</tbody>
</table>

Motor Type
- Permanent Split Capacitor
- Impedance Protected

Motor Options
- 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1

Materials of Construction
- Casing (Volute): Low-lead Bronze or Stainless Steel
- Stator housing: Steel
- Cartridge: Stainless Steel
- Impeller: Non-metallic
- Shaft: Ceramic
- Bearings: Carbon
- O-Ring & Gaskets: EPDM, Chlorine resistant

Model Nomenclature
- B - Bronze, 3/4" sweat
- BC - Bronze, 1/2" sweat, panel mount tappings
- ST - Stainless Steel, 3/4" NPT
- SC - Stainless Steel, union, panel mount tappings

Performance Data
- Flow Range: 0 – 7 GPM
- Head Range: 0 – 4.5 Feet
- Min. Fluid Temperature: 40°F (4°C)
- Max. Fluid Temperature: 220°F (104°C)
- Max. Working Pressure: 125 psi
- Connection sizes: 1/2" swt, 3/4" swt, 3/4" NPT or union

Certifications & Listings
- UL (US Listed) FOR INDOOR USE ONLY
- NSF Low-Lead Compliant

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