The compact Taco 005 Cartridge Circulator is designed for quiet, efficient operation in hydronic heating, chilled water, and domestic water systems. Its unique field-serviceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. With no mechanical seal, the self-lubricating, maintenance free design provides unmatched reliability. Flow characteristics for the 005 make it the ideal circulator for a wide range of applications. Available in Cast Iron or Stainless Steel construction.
Submittal Data # 005 Cartridge Circulator

Features
- Standard High Capacity Output-Compact Design
- Quiet, Efficient Operation
- Unique Replaceable Cartridge - Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability - Maintenance Free
- Universal Flange to Flange Dimensions
- Cast Iron or Stainless Steel Construction

Materials of Construction
Casing (Volute): Cast Iron or Stainless Steel
Stator Housing: Steel
Cartridge: Stainless Steel
Impeller: Non-Metallic
Shaft: Ceramic
Bearings: Carbon
O-Ring & Gaskets: EPDM

Model Nomenclature
F – Cast Iron, Flanged
SF – Stainless Steel, Flanged

Performance Data
Flow Range: 0 - 19 GPM
Head Range: 0 - 9 Feet
Min. Fluid Temperature: 40°F (4°C)
Max. Fluid Temperature, Cast Iron: 230°F (110°C)
Max. Fluid Temperature, St. Steel: 220°F (104°C)
Max. Working Pressure: 125 psi
Connection Sizes: 3/4", 1", 1-1/4", 1/2" Flanged

Certifications & Listings
CUL Listed FOR INDOOR USE ONLY
NSF Low-Lead Compliant

Application
- Hydronic Heating/Cooling
- Hydro Fan Coils
- Radiant
- Solar Thermal
- Domestic Water Recycling
- Solar Thermal

The Taco 005 is designed for a wide range of residential and light commercial water circulating applications. It’s unique replaceable cartridge contains all of the moving parts and allows for easy service; instead of replacing the entire circulator, compact, direct-drive, low power consumption design is ideal for high efficiency jobs.

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Casing</th>
<th>A (in.)</th>
<th>B (in.)</th>
<th>C (in.)</th>
<th>D (in.)</th>
<th>F (in.)</th>
<th>G (in.)</th>
<th>Ship Wt. (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>005-F2</td>
<td>Cast Iron</td>
<td>5-5/8</td>
<td>143</td>
<td>4</td>
<td>102</td>
<td>3-3/16</td>
<td>81</td>
<td>2-15/16</td>
</tr>
<tr>
<td>005-SF2</td>
<td>Stainless Steel</td>
<td>5-5/8</td>
<td>143</td>
<td>4</td>
<td>102</td>
<td>3-3/16</td>
<td>81</td>
<td>2-15/16</td>
</tr>
</tbody>
</table>

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>
</tr>
</thead>
<tbody>
<tr>
<td>005-F2</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>52</td>
<td>3250</td>
<td>1/35</td>
</tr>
<tr>
<td>005-SF2</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>54</td>
<td>3250</td>
<td>1/35</td>
</tr>
</tbody>
</table>

Motor
Type: Permanent Split Capacitor
Impedance Protected

Flange Orientation
Standard Optional OK if over 20 psi

Submittal Data Information
Model 005 Cartridge Circulator
Submittal Data # 101-030 Effective: 04/09/13
Supersedes: 06/01/11

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