Model 009-IFC® Cartridge Circulator

The High Velocity series Taco 009-IFC cartridge circulator includes an Integral Flow Check (IFC®). The removable IFC replaces a separate in-line flow check, saving installation costs while improving system performance. Available in Cast Iron or Stainless Steel construction.
Application

The Taco 009-IFC with Integral Flow Check (IFC®) is designed to reduce installation costs when zoning with 00® circulators on a wide range of residential and light commercial higher-head/lower-flow water circulating applications. Typical uses include hydronic heating, radiant in-floor/panel heating and closed-loop solar heating systems. The Stainless Steel 009-IFC should be used in higher-head/lower-flow heat recovery, open-loop solar heating and light commercial domestic water recirculation systems.

The unique replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator.

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Models</th>
<th>Casing</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>009-F5-IFC</td>
<td>Cast Iron 7</td>
<td>178</td>
<td>5-11/16</td>
<td>144</td>
<td>3-3/16</td>
<td>81</td>
<td>3-3/8</td>
<td>86</td>
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<td>009-SF5-IFC</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>
</tr>
</thead>
<tbody>
<tr>
<td>009-F5-IFC</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>1.40</td>
<td>3250</td>
<td>1/8</td>
</tr>
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<td>3250</td>
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</tr>
</tbody>
</table>

Motor Type: Permanent Split Capacitor  
Motor Options: 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1

Performance Field - 60Hz

Materials of Construction

Casing (Volute): Cast Iron or Stainless Steel  
Integral Flow Check:  
- Body, Plunger: Acetal  
- O-ring Seals: EPDM  
- Spring: Stainless Steel  
Stator Housing: Aluminum  
Cartridge: Stainless Steel  
Impeller: Non-Metallic  
Shaft: Ceramic  
Bearings: Carbon  
O-Ring & Gaskets: EPDM

Features

- Integral Flow Check (IFC®)  
- Prevents gravity flow  
- Eliminates separate in-line flow check  
- Reduces installed cost, easy to service  
- Improved performance vs. In-line flow checks  
- Unique replaceable cartridge - Field serviceable  
- Unmatched reliability - Maintenance free  
- Quiet, efficient operation  
- Direct drive - Low power consumption  
- Self lubricating, No mechanical seal  
- Standard high capacity output - Compact design  
- Wide range of applications  
- Cast Iron or Stainless Steel construction, Flanged connections

Model Nomenclature

F – Cast Iron, Flanged  
SF – Stainless Steel, Flanged  
IFC – Integral Flow Check

Performance Data

Max. Flow: 10 GPM  
Max. Head: 35 Feet  
Minimum Fluid Temperature: 40°F (4°C)  
Maximum Fluid Temperature: 230°F (110°C)  
Maximum Working Pressure: 150 psi  
Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings

UL Listed  
FOR INDOOR USE ONLY  
NSF Low-Lead Compliant

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