## Submittal Data Information

**Model 0014-IFC® Cartridge Circulator**

**Effective:** January 12, 2015  
**Supersedes:** May 30, 2013

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### 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**
- **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**

### Application

The 0014-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00® circulators on medium head / medium flow hydronic or radiant heating, hydro-air fan coils or closed loop solar heating systems. By locating the removable, spring-loaded IFC inside the pump casing, a separate in-line flow check is eliminated, reducing installation costs. The reduced pressure drop of the IFC, increases the flow performance over in-line check valves. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit.

### Materials of Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing (Volute)</td>
<td>Cast Iron or Stainless Steel</td>
</tr>
<tr>
<td>Integral Flow Check</td>
<td>Body, Plunger: Acetal O-ring Seals: EPDM Spring: Stainless Steel</td>
</tr>
<tr>
<td>Stator Housing</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Cartridge</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Impeller</td>
<td>Non-Metallic</td>
</tr>
<tr>
<td>Shaft</td>
<td>Ceramic</td>
</tr>
<tr>
<td>Bearings</td>
<td>Carbon</td>
</tr>
<tr>
<td>O-Ring &amp; Gaskets</td>
<td>EPDM</td>
</tr>
</tbody>
</table>

### Model Nomenclature
- **F** – Cast Iron, Flanged  
- **SF** – Stainless Steel, Flanged  
- **IFC** – Integral Flow Check

### Performance Data
- **Maximum Flow:** 29 GPM  
- **Maximum Head:** 23 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**  
- **NSF**  
- **Low-Lead Compliant**

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### Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</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>0014-F1-1 IFC</td>
<td>Cast Iron</td>
<td>7-1/4</td>
<td>184</td>
<td>5-5/8</td>
<td>146</td>
<td>3-1/4</td>
<td>83</td>
<td>5-1/2</td>
</tr>
<tr>
<td>0014-SF1-IFC</td>
<td>St.Steel</td>
<td>7-1/4</td>
<td>184</td>
<td>5-5/8</td>
<td>146</td>
<td>3-1/4</td>
<td>83</td>
<td>5-1/2</td>
</tr>
</tbody>
</table>

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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>All Models</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>1.55</td>
<td>3250</td>
<td>1/6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Motor Type</th>
<th>Permanent Split Capacitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impedance Protected</td>
<td></td>
</tr>
</tbody>
</table>

### Motor Options

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

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### Do your best work.

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**CERTIFICATIONS & LISTINGS**

**UL Listed**  
**NSF**  
**Low-Lead Compliant**

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