Model 0014-IFC® Cartridge Circulator

The 0014-IFC includes an Integral Flow Check, saving installation costs while improving system performance. The removable, spring loaded IFC® replaces a separate in-line flow check and prevents gravity flow when the circulator is not operating. Available in Cast Iron or Stainless Steel construction.
Submittal Data Information
Model 0014-IFC® Cartridge Circulator

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

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
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

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

Application Graph

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>
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<td>0014-F1-IFC</td>
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<td>184</td>
<td>3/4</td>
<td>146</td>
<td>3/4</td>
<td>83</td>
<td>5/16</td>
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<tr>
<td>0014-SF1-IFC</td>
<td>St.Steel</td>
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<td>184</td>
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<td>146</td>
<td>3/4</td>
<td>83</td>
<td>5/16</td>
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Mounting Positions

Flange Orientation

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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Motor Type
Permanent Split Capacitor
Impedance Protected

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

Performance Field - 60Hz

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