Model 007-IFC® Cartridge Circulator

The 007-IFC features a removable Integral Flow Check designed to improve pump performance, simplify piping and reduce installation costs. The spring-loaded IFC replaces a separate in-line-flow check to ensure protection against reverse flow and gravity flow.
Features
- Integral Flow Check (IFC®)
  - Simplifies piping
  - Prevents reverse flow and gravity flow
  - Eliminates separate in-line flow check
  - Reduces installed cost
  - Improves system performance
  - Easy to service
- Unique replaceable cartridge-field serviceable
- Unmatched reliability-maintenance free
- Quiet, efficient operation
- Wide range of applications
- Cast Iron or Stainless Steel construction
- Flanged connections

Materials of Construction
- Casing (Volute): Cast Iron or Stainless Steel
- Integral Flow Check (IFC?):
  - Body, Plunger: Acetal
  - O-ring Seals: EPDM
  - Spring: 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
- IFC® - Integral Flow Check

Application
- Hydronic Heating/Cooling
- Radiant
- Domestic Water Recirculation (Stainless Steel only)
- Indirect Water Heaters
- Hydro-Air Fan Coils

The 007-IFC is designed to simplify piping, reduce installation costs and improve system performance when zoning with 00® circulators. By locating the IFC inside the pump, a separate in-line flow check is eliminated. The low pressure drop of the IFC increases flow performance vs. in-line flow checks. Both the IFC and the cartridge are easily accessed for removal and service.

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Casing</th>
<th>Flange Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Ship WL</th>
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</thead>
</table>
| 007-F5-7 IFC | Cast Iron | S 6-1/8 156 4-1/2 3-3/16 3-3/16 81 2-23/32 75 5 127 6-3/8 162 9 4.0
| 007-F5-8 IFC | Cast Iron | R 5-7/8 149 4-1/2 3-3/16 3-3/16 81 2-23/32 75 5 127 6-3/8 162 9 4.0
| 007-SF5-7 IFC | Stainless Steel | S 6-1/8 156 4-1/2 3-3/16 3-3/16 81 2-23/32 75 5 127 6-3/8 162 9 4.0

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>Cast Iron</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>71</td>
<td>3250</td>
<td>1/25</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>76</td>
<td>3250</td>
<td>1/25</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

Performance Field - 60Hz

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

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