Model 007-IFC® Cartridge Circulator

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
- Self lubricating, No mechanical seal
- Wide range of applications
- Cast Iron or Stainless Steel construction
- Integral Flow Check (IFC®)

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

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.

Materials of Construction
- Casing (Volume): 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

Variations:
- Z – Zoning Circulator
- VR – Variable Speed Outdoor Reset
- VS – Variable Speed Set Point
- VV – Variable Speed Variable Voltage
- J – Bronze Cartridge with Cast Iron Casing

Performance Data
- Flow Range: 0 – 17 GPM
- Head Range: 0 – 8.5 Feet
- Minimum Fluid Temperature: 40°F (4°C)
- Maximum Fluid Temperature: 230°F (110°C)
- Maximum Working Pressure: 125 psi
- Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Electrical Data
- Model Volts Hz Ph Amps RPM HP
  - Cast Iron
    - 115 60 1 71 3250 1/25
  - Stainless Steel
    - 115 60 1 76 3250 1/25
- Motor Type
  - Permanent Split Capacitor
  - Impedance Protected
- Motor Options
  - 220/50/1, 220/60/1, 100/110/50/60/1

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>E</th>
<th>F</th>
<th>Weight</th>
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<tbody>
<tr>
<td>007-F5-7 IFC</td>
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<td>6-1/8</td>
<td>156</td>
<td>4-1/2</td>
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Flange Orientation
- Standard
- Optional
- OK if over 20 psi

Performance Field - 60Hz

NSF® ≤ 0.25% Lead
Complies with California Health and Safety Code Section 116875 / AB1953 and Vermont Act 193

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