Model 005-IFC® Cartridge Circulator

The 005-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.

Stainless Steel

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Supersedes: 06/01/11
Effective Date: 04/09/13
Printed in USA
Submittal Data Information
Model 005-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
• Flanged connections

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

The 005-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 (Volute): Cast Iron or St. Steel
Integral Flow Check (IFC®):
  Body, Plunger: Acetal
  O-ring Seals: EPDM
  Spring: Stainless Steel
Stator Housing: Stainless Steel
Cartridge: Stainless Steel
Impeller: Non-Metallic
Shaft: Ceramic
Bearing: Carbon
O-Ring & Gaskets: EPDM

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

Performance Data
Flow Range: 0 - 13.5 GPM
Head Range: 0 - 7.5 Feet
Min. Fluid Temperature: 40°F (4°C)
Max. Fluid Temperature: 230°F (110°C)
Max. Working Pressure: 125 psi
Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings
CUL Listed FOR INDOOR USE ONLY
Low-Lead Compliant

Submittal Data # 101-083
Effective: 04/08/13
Supersedes: 06/01/11

Electrical Data

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<th>Volts</th>
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<th>Amps</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

Pump Dimensions & Weights

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<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>
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<td>2-15/16</td>
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Mounting Positions

Standard
Optional
OK if over 20 psi

*Flange Orientation Type

Standard (S) Rotated (R)

Performance Field - 60Hz

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