Model 0013-IFC® Cartridge Circulator

The 0013-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.
**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 St. Steel construction, Flanged

**Application**

The 0013-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00® circulators on high head / high flow hydronic or radiant heating, hydro-air fan coils or heat exchangers and geothermal 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 0013 flow performance over in-line check valves. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit.

**Pump Dimensions & Weights**

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<tr>
<td>0013-F3-1 IFC</td>
<td>Cast Iron</td>
<td>7-1/2</td>
<td>181</td>
<td>6-1/8</td>
<td>156</td>
<td>3-1/2</td>
<td>89</td>
<td>3-7/8</td>
</tr>
<tr>
<td>0013-SF3-IFC</td>
<td>St. Steel</td>
<td>7-1/2</td>
<td>181</td>
<td>6-1/8</td>
<td>156</td>
<td>3-1/2</td>
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**Mounting Positions**

- Standard
- Optional
- OK if over 20 psi

**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**

- Max. Flow: 33 GPM
- Max. Head: 32 Feet
- Min. Fluid Temperature: 40°F (4°C)
- Max. Fluid Temperature: 230°F (110°C)
- Max. Working Pressure: 150 psi
- Connection Sizes:
  - 3/4", 1", 1-1/4", 1-1/2" Flanged

**Electrical Data**

- Volts: 115
- Hz: 60
- Ph: 1
- Amps: 2.0
- RPM: 3250
- HP: 1/6

**Certifications & Listings**

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Taco (Canada) Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 / (905) 564-9422 / Fax (905) 564-9436

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