Model 0012-IFC® Cartridge Circulator

The High Velocity series Taco 0012-IFC Cartridge Circulator now includes an Integral Flow Check (IFC®). The removable IFC replaces a separate in-line flow check, saving installation costs while improving system performance. 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 Stainless Steel construction, Flanged connections

**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: 42 GPM
- Max. Head: 13 Feet
- Min. Fluid Temperature: 40°F (4°C)
- Max. Fluid Temperature: 230°F (110°C)
- Max. Working Pressure: 150 psi
- Connection Sizes: 1-1/2” or 2”, Flanged

**Certifications & Listings**

- UL US LISTED
- NSF
- Low-Lead Compliant

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**Application**

The Taco 0012-IFC with Integral Flow Check (IFC®) is designed to reduce installation costs when zoning with 00® circulators on high flow / medium head applications in large residential and light commercial systems. Ideal for large BTUH Boilers, 2” recirculation loops, primary/secondary loops, commercial water heaters and light commercial heating and cooling systems. The Stainless Steel 0012-IFC can be used on open loop systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator.

**Pump Dimensions & Weights**

<table>
<thead>
<tr>
<th>Models</th>
<th>Casing</th>
<th>Flange Code</th>
<th>Flange Size</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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</thead>
<tbody>
<tr>
<td>0012-F4-IFC</td>
<td>Cast Iron</td>
<td>R</td>
<td>8-1/16&quot;</td>
<td>203</td>
<td>6-3/8&quot;</td>
<td>162</td>
<td>4-1/4&quot;</td>
<td>108</td>
<td>6</td>
<td>152</td>
</tr>
<tr>
<td>0012-F4-1-IFC</td>
<td>Cast Iron</td>
<td>S</td>
<td>8-1/8&quot;</td>
<td>219</td>
<td>6-3/8&quot;</td>
<td>162</td>
<td>4-1/4&quot;</td>
<td>108</td>
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<td>0012-SF4-IFC</td>
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**Mounting Positions**

- Standard
- Optional
- OK if over 20 psi

**Electrical Data**

- All Models: 115 Volts, 60 Hz, 1 Ph, 1.33 A, 3250 RPM, 1/8 HP
- Motor Type: Permanent Split Capacitor Impedance Protected
- Motor Options: 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1

**Flange Orientation**

- Standard (S)
- Rotated (R)

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