The High Velocity Series Taco 0012 Cartridge Circulator is designed for high flow / medium head applications in large residential / light commercial hydronic heating, radiant heating, and chilled water cooling systems. The unique ACB anti-condensate baffle with ambient air flow prevents the build up of condensate on the motor windings when pumping chilled water. Its unique field-serviceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. With no mechanical seal, the self-lubricating, maintenance free design provides unmatched reliability. Compact and lightweight, with excellent performance characteristics, the 0012 is ideal for high efficiency jobs where space is a premium. Available in Cast Iron or Stainless Steel construction.
Submittal Data Information

Model 0012 Cartridge Circulator

Application
The Taco 0012 is specifically designed for 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 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. Universal flange to flange dimensions and orientation allows the 0012 to easily replace other models. Compact, low power consumption design makes it ideal for high-efficiency jobs. The 0012-F4 is a direct replacement for the HV Series and the 0012-F4-1 is a direct replacement for the 2" Series using existing flanges.

Features
- Exclusive ACB Anti-Condensate Baffle with Ambient Air Flow-Protects Motor Windings against Condensate Buildup
- High Velocity Performance-Compact Design
- Quiet, Efficient Operation
- Direct Drive-Low Power Consumption
- Unique Replaceable Cartridge Design-Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability-Maintenance Free
- Universal Flange to Flange dimensions
- Cast Iron or Stainless Steel Construction

Materials of Construction
- Casing (Volute): Cast Iron or 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

Performance Data
- Max. Flow: 52 GPM
- Max. Head: 14.5 Feet
- Min. Fluid Temperature: 40°F (4°C)
- Max. Fluid Temperature: 230°F (110°C)
- Max. Working Pressure: 150 psi
- Connection Sizes: 1-1/4", 1-1/2" or 2" Flanged

Certifications & Listings
- UL Listed
- NSF Low-Lead Compliant

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>All Models</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>1.33</td>
<td>3250</td>
<td>1/8</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

Flange Orientation

Specifications:
- Cast Iron, Stainless Steel
- Flanged
- Universal Orientation

Taco Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360
Taco (Canada) Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 / (905) 564-9422 / Fax (905) 564-9436
www.taco-hvac.com