0015e3™ ECM High-Efficiency Circulator

Taco 0015e3™ is a variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. It’s ideal for hydronic systems zoned with circulators or zone valves. With 3 easy settings, the 0015e3 delivers performance, reliability and ease of installation that made the 00® famous.

- Replaces ALL 3-speed hydronic circulators in its class
- 3 easy settings. Install it, forget it.™
- BIO Barrier® protects pump from system contaminants
- SureStart™ automatic unblocking and air purging mode
- High-efficiency ECM motor uses up to 85% less electricity
- Integral Flow Check (IFC®) included
The 0015e3™ ECM circulator: Three settings. One reputation.

- 3 easy settings: LOW (5 feet head), MEDIUM (10 feet head), HIGH (18 feet head), 16 gpm max flow.
- Dual electrical knockouts, 6” stranded wire leads included for easy wiring.
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation.
- Optional 2-way flange model reduces SKU’s and provides universal fit-up to any flange position.
- Double insulated. No ground wire required.
- Whisper quiet operation.

Orange LED:
Indicates 0015e3 running normally.

SureStart™ LED:
The White LED indicates that the innovative SureStart automatic unblocking and air purge is active. SureStart gives you the confidence that you’ll never get a locked rotor with the 0015e3. Install it, forget it™

Replacement Chart (6-3/8” flange to flange dimension)

<table>
<thead>
<tr>
<th>Taco</th>
<th>Grundfos</th>
<th>Armstrong</th>
<th>Xylem/B&amp;G</th>
<th>Wilo</th>
</tr>
</thead>
<tbody>
<tr>
<td>005</td>
<td>UP 15-10 F</td>
<td>Astro 230CI</td>
<td>ecocirc 19-14 auto</td>
<td>Star S 16F</td>
</tr>
<tr>
<td>006</td>
<td>UP 15-10 FR</td>
<td>Astro 230CI-R</td>
<td>ecocirc 19-14 vario</td>
<td>Star S 16FX</td>
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<tr>
<td>007</td>
<td>UP 15-42 F</td>
<td>Astro 250CI</td>
<td>NRF-22</td>
<td>Star S 21RFC</td>
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<tr>
<td>008</td>
<td>UP 15-42 FR</td>
<td>Astro 30</td>
<td>NRF-25</td>
<td>Star S 21FX</td>
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<tr>
<td>00R</td>
<td>UPS 15-42 F</td>
<td>Astro 25</td>
<td>NRF-9F/LW</td>
<td>Star S 21F</td>
</tr>
<tr>
<td>00R 3-Speed</td>
<td>UPS 15-58 FC</td>
<td>Astro 30-3</td>
<td>Stratos ECO 16 RFC</td>
<td></td>
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<tr>
<td>0015</td>
<td>ALPHFX</td>
<td>Astro 50-3</td>
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<td></td>
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<tr>
<td>3-Speed</td>
<td>ALPHA 15-55F</td>
<td>Compass 20-20</td>
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<tr>
<td></td>
<td>ALPHA 15-55FR</td>
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</table>
The 0015e3 circulator provides three maximum ft of head pressure settings to match system requirements. Selection options are **LOW** (5 feet), **MEDIUM** (10 feet), or **HIGH** (18 feet). See chart above for the equivalent 00 model at each setting.

The 0015e3 performance curves are ideal for hydronic zoning to reduce velocity noise or banging of zone valves closing against high head pressure circulators.

The factory default setting is **MEDIUM** which is ideal for most residential baseboard type systems zoned with circulators or zone valves. Adjust the dial to change the operating curve to meet system requirements.

**Setting Selection Guideline:**

- **LOW** = 85 ft. x 3/4” copper*
- **MEDIUM** = 165 ft. x 3/4” copper*
- **HIGH** = 245 ft. x 3/4” copper*

* Longest circuit in system

Typical Applications

- **For zoning with circulators**
- **Across a series loop system using zone valves**
Specifications

- Max. Shut-off Head: 18 feet
- Max. Flow: 16 gpm
- Max. Operating Pressure: 125 psi (8.6 bar)
- Max. Water Temp: 230°F (110°C)
- Min. Water Temp: 36°F (2°C)
- Electrical specifications:
  - Voltage: 120V, 60 Hz
  - Single phase
  - Max. Operating Power: 44W
  - Max. AMP Rating: 0.54
- Equipped with a cast iron casing and should be used for closed loop systems only
- Taco circulator pumps are for indoor use only
- Acceptable for use with water or maximum of 50% water/glycol solution
- Not for use on potable water or chilled water systems

Materials of Construction:

Casing: Cast Iron
Stator Housing: Composite
Cartridge: Composite
Impeller: Composite
Shaft: Ceramic
Bearings: Carbon
Thrust Bearing: Ceramic
O-Ring & Gaskets: EPDM

Applications

The 0015e3 is a variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Its ECM performance is equivalent to the Taco 0015 3-Speed circulator and is ideal for hydronic systems zoned with circulators or zone valves. 0015e3 is not suitable for potable water or chilled water systems.

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Flange Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0015e3-F2</td>
<td>S</td>
<td>6</td>
<td>152</td>
<td>4-1/8</td>
<td>104</td>
<td>3-3/16</td>
<td>82</td>
<td>3-1/4</td>
</tr>
<tr>
<td>0015e3-F4</td>
<td>U</td>
<td>6</td>
<td>152</td>
<td>4-1/8</td>
<td>104</td>
<td>3-3/16</td>
<td>80</td>
<td>3-1/4</td>
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Mounting Positions

- Standard (S)
- Universal 2-Way (U)

Flange Type

- Standard (S)
- Universal 2-Way (U)

Electrical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Volts</th>
<th>Hz</th>
<th>Ph</th>
<th>Max.Amps</th>
<th>Max. Watts</th>
<th>RPM</th>
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<tbody>
<tr>
<td>Both Models</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>.54</td>
<td>44</td>
<td>4830</td>
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</tbody>
</table>

Motor Type

ECM, Permanent Magnet, Thermally Protected

UL Listed

FCC

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