Specifications

- Maximum Shut-off Head: 18 feet
- Maximum Flow: 16 gpm
- Maximum Operating Pressure: 125 psi (8.6 bar)
- Maximum Water Temp: 230°F (110°C)
- Minimum Water Temp: 36°F (2°C)
- Electrical specifications:
  - Voltage: 120V, 60 Hz
  - Single phase
  - Operating Power: 4W - 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

Materials of Construction:
- Casing: Cast Iron
- Stator Housing: Composite
- Cartridge: Composite
- Impeller: Composite
- Shaft: Ceramic
- Bearings: Carbon
- Thrust Bearing: Ceramic
- O-Ring & Gaskets: EPDM
- Integral Flow Check (IFC®):
  - Body, Plunger: Acetal
  - O-ring Seal: EPDM
  - Spring: Stainless Steel

Applications

The Viridian VR1816 circulator is an infinitely variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include infinitely variable fixed speed to fine tune any zone, self-adjusting constant pressure for zone valve applications and self-adjusting proportional pressure for panel radiators with thermostatic radiator valves.

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Flange Code</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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<td>VR1816F</td>
<td>S</td>
<td>5</td>
<td>6</td>
<td>152</td>
<td>4-1/8</td>
<td>104</td>
<td>3-3/16</td>
<td>80</td>
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</table>

Mounting Positions

Flange Orientation

Standard (S)

Electrical Data

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<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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