ECM High-Efficiency Circulator

The Taco 00e® VR series are ECM high-efficiency, wet-rotor, self-sensing commercial circulators ideal for HVAC and potable water applications. The wide range of models with Low, Medium, or High head options provide differential head pressures up to 65 ft. and flow ranges up to 320 GPM. BMS communication with Modbus, BACnet, 0-10Vdc, and PWM come standard while high-efficiency ECM technology reduces power consumption up to 85%. The stainless steel models are NSF 61 & 372 domestic and commercial hot rated.

- Intuitive user interface with real-time feedback
- Constant speed, constant pressure, proportional pressure, and activeADAPT®; self-adjusting proportional pressure
- BMS communication; Modbus, BACnet, 0-10Vdc, PWM
- Parallel pump control; cascading, auto-rotate & main/standby
- Standard #125 ANSI flanges (Companion flange kit sold separately)
A solution for every application
The Taco 00e VR series is built to exacting specifications meeting the widest range of HVAC and NSF 61 & 372 domestic and commercial hot water applications. They are suitable for use with fluids at temperatures from 14 to 230°F (-10 to 110°C) and feature 175psi working pressure. All models incorporate a stainless steel rotating assembly, stainless steel rotor can, and the option of a stainless steel volute.

Smart protection and flexible voltages
Non-overloading ECM high-efficiency offers smart protection with integrated soft-start technology. Single phase voltage range 110-240 volts up to 800 watts, single phase 200-240 volts above 800 watts.

Parallel pumping
Intuitive lead-lag 24 hour alternation, main-standby for redundancy and cascading mode for additional capacity.

Built-in Protections:
- Dry run protection
- Overcurrent protection
- Line surge protection
- Current limit protection
- Thermal monitoring
- Heat sink status
- Over temperature protection
- Over & under voltage protection
The award winning Taco Tags use wireless NFC technology to provide you with all relevant information for a specific product right on your phone. Detailed specifications, technical documents, instruction manuals, how-to videos and more are all quickly and easily accessible. This digital library contains the most up-to-date information for that specific piece of equipment.

By utilizing the power of Taco Tags, Taco is ensuring you have the resources you need to make fast, informed decisions in the field, increasing your productivity while saving you time.
00e® VR Series — ECM High-Efficiency Circulators

Pump Specifications
Max. Operating Pressure: 175 PSI (12 bar)
Water Temperature Range: 36˚ - 230˚F (2˚ - 110˚C)
Ambient Temperature Range: 32˚ - 104˚F (0˚ - 40˚C)
Ambient Humidity: Less than 95% for indoor use only

Materials of Construction
Casing (HVAC)................. Cast iron
Casing (DHW)................... 304 Stainless Steel
Impeller.......................... PES GF-30
Shaft............................. ANSI 420
Bearing......................... Carbon Sleeve Type

Minimum Inlet Pressure
Temp. | VR15-20 | VR25-30
-----|---------|---------
112˚F (50˚C) | 7.3 PSIA / 0.5 Bar | 4.36 PSIA / 0.3 Bar
176˚F (80˚C) | 11.6 PSIA / 0.8 Bar | 14.5 PSIA / 1.0 Bar
230˚F (110˚C) | 20.3 PSIA / 1.4 Bar | 20.3 PSIA / 1.4 Bar

Dimensions & Weights

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<th>Model Number</th>
<th>Flange Size</th>
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<th>B</th>
<th>C</th>
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<th>E</th>
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*Flange Type (4 Bolt #125 ANSI)

Model Numbers are followed by “-F” for Cast Iron or “-SF” for Stainless Steel

For complete information refer to the Submittal Data Sheet numbers listed below.

00e Series — VR Circulator Submittal Data Sheets:
VR15L 301-257
VR15M 301-258
VR15H 301-259
VR20L 301-260
VR20M 301-261
VR20H 301-262
VR25L 301-263
VR25M 301-264
VR25H 301-265
VR30L 301-266
VR30M 301-267
VR30H 301-268

00e Series — VR Circulator Submittal Data Sheets: