

Model 005 Cartridge Circulator

The compact Taco 005 Cartridge Circulator is designed for quiet, efficient operation in Hydronic heating, Chilled Water, and Domestic Water Systems. 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. Flow characteristics for the 005 make it the ideal circulator for a wide range of applications. Available in Cast Iron or Bronze construction.



HYDRONIC COMPONENTS & SYSTEMS

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Submittal Data Information Model 005 Cartridge Circulator

Submittal Data # 101-030
Supersedes: 101-030 Dated: 07/1/01

Effective: 09/1/03

Features

- Standard High Capacity Output-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 Bronze Construction

Materials of Construction

| | |
|-------------------|---------------------|
| Casing (Volute): | Cast Iron or Bronze |
| Stator Housing: | Steel |
| Cartridge: | Stainless Steel |
| Impeller: | Non-Metallic |
| Shaft: | Ceramic |
| Bearings: | Carbon |
| O-Ring & Gaskets: | EPDM |

Model Nomenclature

- F – Cast Iron, Flanged
BF – Bronze, Flanged
Variations:
Z – Zoning Circulator
J – Bronze Cartridge with Cast Iron Casing

Performance Data

- Flow Range: 0 – 18 GPM
Head Range: 0 – 9.5 Feet
Minimum Fluid Temperature: 40°F (4°C)
Maximum Fluid Temperature, Cast Iron: 230°F (110°C)
Maximum Fluid Temperature, Bronze: 220°F (104°C)
Maximum Working Pressure: 125 psi
Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged



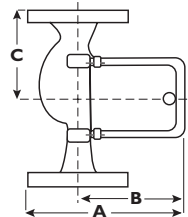
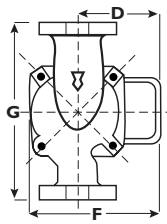
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Application

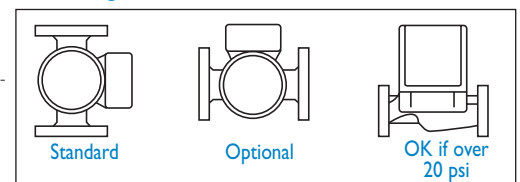
The Taco 005 is designed for a wide range of Residential and Light Commercial water circulating applications. Typical uses include Hydronic heating, add a zone additions, Zoning with circulators, Chilled Water and Domestic Water Systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service, instead of replacing the entire circulator. Compact, direct-drive, low power consumption design is ideal for high efficiency jobs.

Pump Dimensions & Weights

| Model | Casing | A | | B | | C | | D | | F | | G | | Ship Wt. | |
|---------|-----------|-------|-----|-----|-----|--------|----|---------|----|-------|-----|-------|-----|----------|-----|
| | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | Kg |
| 005-F2 | Cast Iron | 5-5/8 | 143 | 4 | 102 | 3-3/16 | 81 | 2-15/16 | 75 | 4-3/4 | 121 | 6-3/8 | 162 | 8.0 | 3.6 |
| 005-BF2 | Bronze | 5-5/8 | 143 | 4 | 102 | 3-3/16 | 81 | 2-15/16 | 75 | 4-3/4 | 121 | 6-3/8 | 162 | 8.0 | 3.6 |



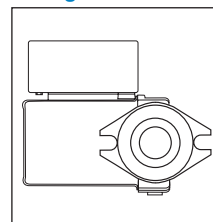
Mounting Positions



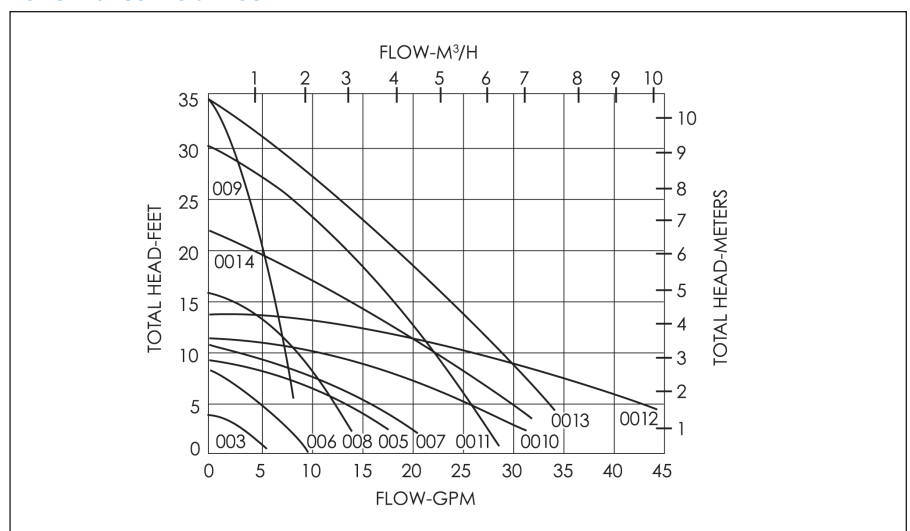
Electrical Data

| Model | Volts | Hz | Ph | Amps | RPM | HP |
|---------------|--|----|----|------|------|------|
| 005-F2 | 115 | 60 | 1 | .53 | 3250 | 1/35 |
| 005-BF2 | 115 | 60 | 1 | .54 | 3250 | 1/35 |
| 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



Performance Field - 60Hz



HYDRONIC COMPONENTS & SYSTEMS

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