



Submittal Data Information

101-030

Model 005 Cartridge Circulator

Effective: September 1, 2003

Supersedes: July 1, 2001

Job: _____ Engineer: _____ Contractor: _____ Rep: _____

ITEM NO.	MODEL NO.	IMP. DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.

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



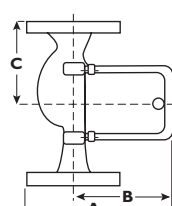
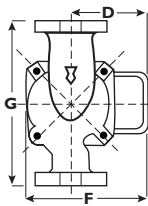
FOR INDOOR USE ONLY

Application

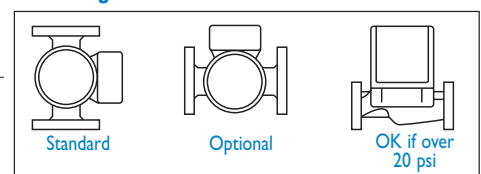
The Taco 005 is designed for a wide range of Residential and Light Commercial water circulating applications. Typical uses include Hydronic heating, add a zone additions, Zoning with circulators, Chilled Water and Domestic Water Systems. The unique replaceable cartridge contains all of the moving parts 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



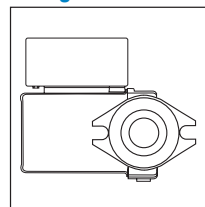
Mounting Positions



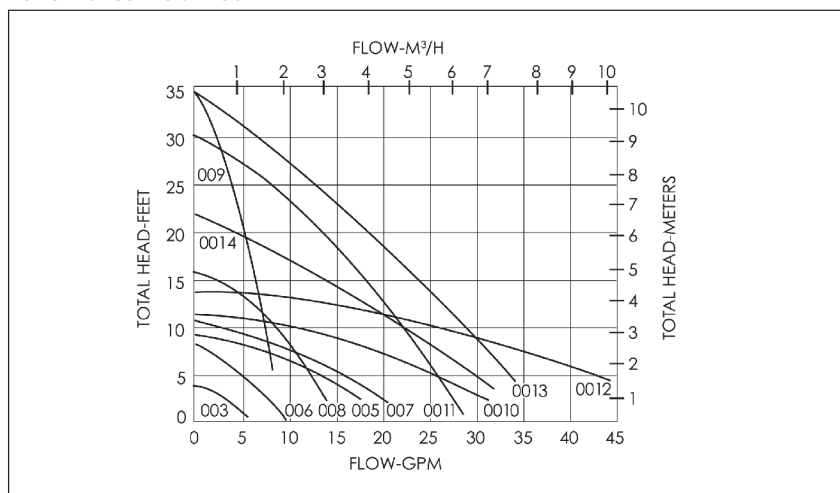
Electrical Data

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



Do it Once. Do it Right.

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