



Submittal Data Information

101-061

Model 003 Cartridge Circulator

Effective: September 1, 2003

Supersedes: December 1, 2002

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

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

Features

- Reduces Erosion, Corrosion and Flow Noise in shorter pipe run applications
- 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
- Bronze Construction with Sweat, Threaded or Union Connections

Materials of Construction

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

Model Nomenclature

- B - Bronze, Sweat
- BC - Bronze, Sweat, Panel Mount Tappings
- BT - Bronze, Threaded
- BC-I - Bronze, Union, Panel Mount Tappings

Performance Data

- Flow Range: 0 – 6 GPM
- Head Range: 0 – 5 Feet
- Minimum Fluid Temperature: 40°F (4°C)
- Maximum Fluid Temperature: 220°F (104°C)
- Maximum Working Pressure: 125 psi
- Connection Sizes: 1/2" Swt, 3/4" Swt, 3/4" NPT, or Union



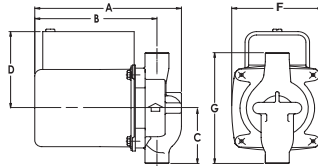
FOR INDOOR USE ONLY

Application

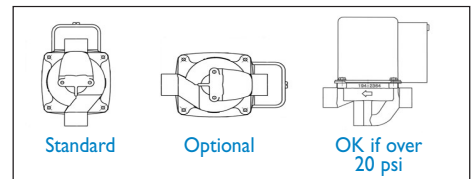
The Taco 003 is designed for circulating hot or chilled fresh water in open or closed loop, lower flow applications. Flow characteristics are ideal for Domestic Hot Water Recirculation, Heat Recovery units, Water Source Heat Pumps, and Potable Water systems. The unique, replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. The compact, low power consumption design is ideal for high efficiency jobs.

Pump Dimensions & Weights

Model	Conn	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
003-B4	3/4" Swt	5-1/8	130	4-1/8	105	2-3/16	56	3-1/16	78	3-5/16	84	4-13/32	112	6.0	2.7
003-BC4	1/2" Swt	5-1/8	130	4-1/8	105	2-1/8	54	3-1/16	78	3-5/16	84	4-1/4	108	6.0	2.7
003-BT4	3/4" NPT	5-5/8	143	4-7/8	124	2	51	3-1/16	78	3-5/16	84	4	102	6.0	2.7
003-BC4-I	Union	5-5/32	131	4-11/32	110	2-31/32	76	3-1/16	78	3-5/16	84	5-15/16	151	6.0	2.7



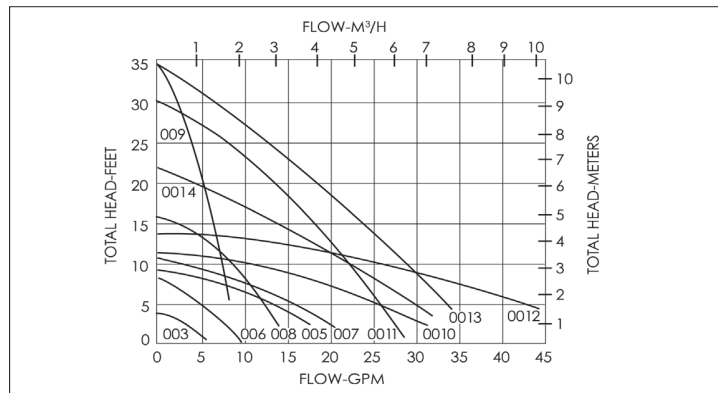
Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
003 All Models	115	60	1	.43	3250	1/40
Motor Type	Permanent Split Capacitor Impedance Protected					
Motor Options	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

Performance Field - 60Hz



Do it Once. Do it Right.

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