Submittal Data Information

101-031

Model 008 Cartridge Circulator

Effective: May 8, 2009 **Supersedes:** September 1, 2003

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 Stainless Steel, Flanged or Bronze, Sweat Connections

Materials of Construction

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

Model Nomenclature

F – Cast Iron, Flanged

SF – Stainless Steel, Flanged

BC – Bronze, 3/4"Sweat Connections

Variations:

Z – Zoning Circulator

J – Bronze Cartridge with Cast Iron Casing

Performance Data

Flow Range: 0 – 14 GPM

Head Range: 0 – 16 Feet

Minimum Fluid Temperature: 40°F (4°C)

Maximum Fluid Temperature: 230°F (110°C)

Maximum Working Pressure: 125 psi

Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged, 3/4" Sweat

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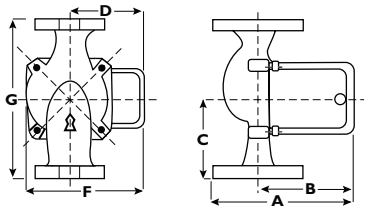
FOR INDOOR USE ONLY

Application

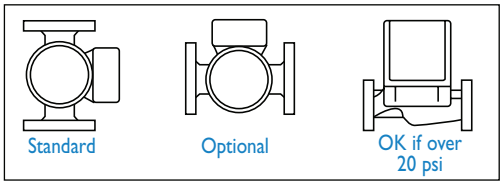
The Taco 008 is designed for a wide range of residential and light commercial higher-head water circulating applications. Typical uses include hydronic heating, radiant in-floor/panel heating and closed-loop solar heating systems. The Stainless Steel or Bronze 008 can be used in higher-head heat recovery, water source heat pump, open-loop solar heat and domestic water recirculation 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 or high-efficiency jobs.

Pump Dimensions & Weights

		A		B		C		D		F		G		Ship Wt.	
Model	Casing	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
008-F6	Cast Iron	6	152	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
008-SF6	St. Steel	6	152	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
008-BC6	Bronze	5-5/8	143	4-9/16	116	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6



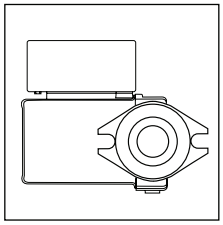
Mounting Positions



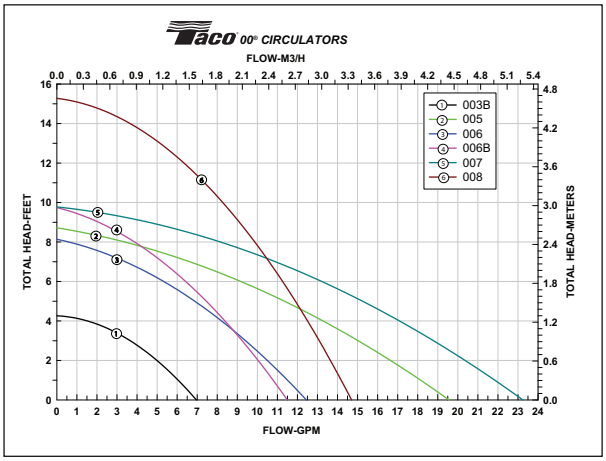
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
008-F6	115	60	1	.79	3250	1/25
008-SF6	115	60	1	.84	3250	1/25
008-BC6	115	60	1	.84	3250	1/25
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



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