

## **Model 008 Cartridge Circulator**

The Taco 008 Cartridge Circulator is designed for quiet, efficient operation in higher-head applications for Hydronic heating, Radiant In-Floor/Panel heating, Solar heating, Heat Recovery, Water Source Heat Pump, and Domestic Water Recirculation 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. Available in Cast Iron or Bronze construction.



**HYDRONIC COMPONENTS & SYSTEMS**

**Do it once.  
Do it right.™** 

# Submittal Data Information Model 008 Cartridge Circulator

Submittal Data # 101-031

Effective: 09/1/03

Supersedes: 101-031 Dated: 07/1/01

## 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
- Sweat Connections - Optional

## 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
- BC – Bronze, 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

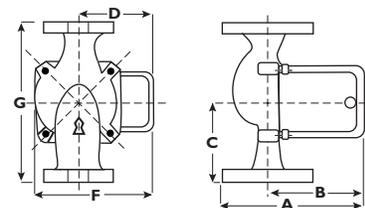


## Application

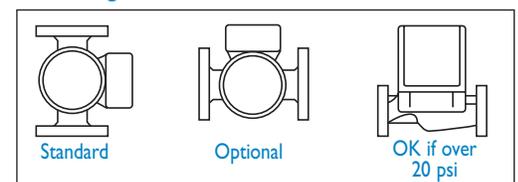
The Taco 008 is designed for a wide range of Residential and Light Commercial higher-head water circulating applications. Typical uses include Hydronic heating, Radiant In-Floor/Panel heating and closed-loop Solar heating systems. The Bronze 008 can be used in higher-head Heat Recovery, Water Source 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 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
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-BF6	Bronze F	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 S	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



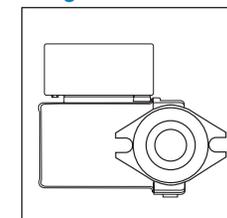
## Mounting Positions



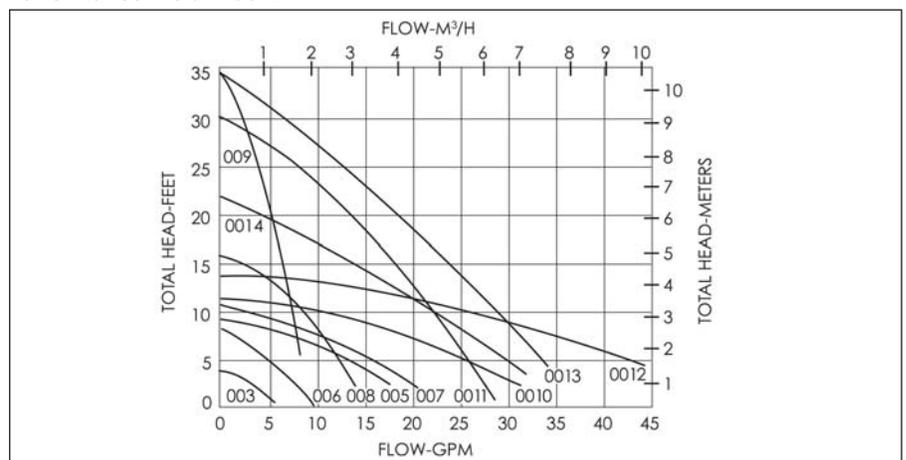
## Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
008-F6	115	60	1	.79	3250	1/25
008-BF6	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



## HYDRONIC COMPONENTS & SYSTEMS



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