

## **Model 0010 Cartridge Circulator**

The High Velocity series Taco 0010 Cartridge circulator is designed for quiet, efficient operation in residential / light commercial applications for hydronic heating, chilled water cooling and potable hot 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. Compact and lightweight, with excellent performance characteristics, the 0010 is ideal for installations where space is a premium. Available in Cast Iron, Bronze or Stainless Steel construction.



# Submittal Data Information Model 0010 Cartridge Circulator

Submittal Data # 101-033  
Supersedes: 09/01/03

Effective: 06/14/07

## 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, Bronze or Stainless Steel construction

## Materials of Construction

Casing (Volute):	Cast Iron, Bronze or 304 Stainless Steel
Stator Housing:	Aluminum
Cartridge:	Stainless Steel
Impeller:	Non-metallic
Shaft:	Ceramic
Bearings:	Carbon
O-Ring & Gaskets:	EPDM

## Model Nomenclature

F – Cast Iron, Flanged  
BF – Bronze, Flanged  
SF – 304 Stainless Steel, Flanged

### Variations:

Z – Zoning Circulator  
J – Bronze Cartridge with Cast Iron casing

## Performance Data

Flow Range: 0 – 32 GPM  
Head Range: 0 – 10 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



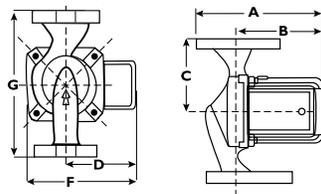
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## Application

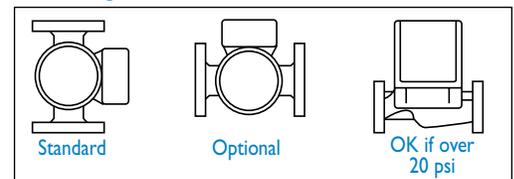
The Taco 0010 is designed for a wide range of large residential/light commercial water circulating applications. Typical uses include hydronic heating, radiant heating, primary-secondary loops, indirect water heaters, chilled water cooling, and potable hot water systems. The Bronze or Stainless Steel 0010 is designed for all open-loop, fresh 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 makes it 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
0010-F3	Cast Iron	7-1/4	184	5-5/16	135	3-3/16	81	3-5/16	84	5-3/8	137	6-3/8	162	10	4.5
0010-BF3	Bronze	7-1/4	184	5-5/16	135	3-3/16	81	3-5/16	84	5-3/8	137	6-3/8	162	10	4.5
0010-SF3	St.Steel	7-1/4	184	5-5/16	135	3-3/16	81	3-5/16	84	5-3/8	137	6-3/8	162	9	4



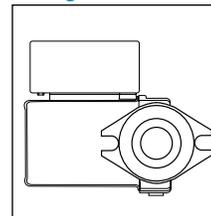
## Mounting Positions



## Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
0010-F3	115	60	1	1.10	3250	1/8
0010-BF3/SF3	115	60	1	1.17	3250	1/8
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

**Taco** 00<sup>o</sup> CIRCULATORS  
FLOW-M3/H

