



# Submittal Data Information

101-030

## Model 005 Cartridge Circulator

Effective: June 1, 2011

Supersedes: June 15, 2009

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 Construction

### Materials of Construction

Casing (Volute): Cast Iron or Stainless Steel  
 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

### Variations:

Z – Zoning Circulator  
 VR – Variable Speed Outdoor Reset  
 VS – Variable Speed Set Point  
 VV – Variable Speed Variable Voltage  
 J – Bronze Cartridge with Cast Iron Casing

### Performance Data

Flow Range: 0 – 19 GPM  
 Head Range: 0 – 9 Feet  
 Min. Fluid Temperature: 40°F (4°C)  
 Max. Fluid Temperature, Cast Iron: 230°F (110°C)  
 Max. Fluid Temperature, Stainless Steel: 220°F (104°C)  
 Max. Working Pressure: 125 psi  
 Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged



**FOR INDOOR USE ONLY**

NSF® ≤ .25% Lead

Complies with California Health and Safety Code Section 116875 / ABI953 and Vermont Act 193

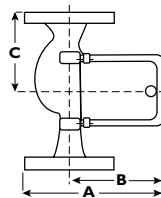
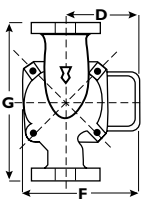
### Application

- Hydronic Heating/Cooling
- Radiant
- Indirect Water Heaters
- Hydro-Air Fan Coils
- Domestic Water Recirculation
- Solar Thermal

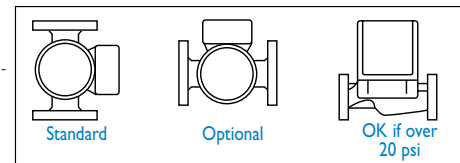
The Taco 005 is designed for a wide range of residential and light commercial water circulating applications. It's unique replaceable cartridge contains all of the moving parts and allows for easy service, instead of replacing the entire circulator. Compact, direct-drive, low power consumption design 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-SF2	St. Steel	5-5/8	143	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	7.0	3.2



### Mounting Positions



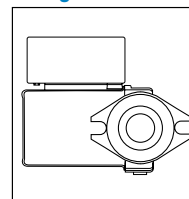
### Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
005-F2	115	60	1	.52	3250	1/35
005-SF	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

