



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

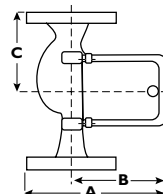
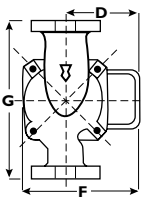
Application

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

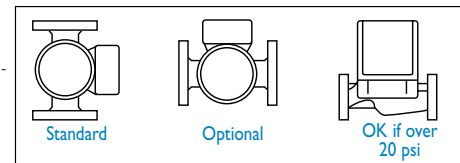
The Taco 005 is designed for a wide range of residential and light commercial water circulating applications. It's unique replaceable cartridge contains all of the moving parts and allows for easy service, instead of replacing the entire circulator. Compact, direct-drive, low power consumption design 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

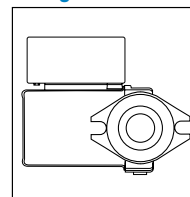


Electrical Data

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

