



Submittal Data Information

101-029

Model 007 Cartridge Circulators

Effective: June 6, 2011

Supersedes: July 11, 2007

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
 VDT - Variable Speed Differential Temperature (ΔT)
 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 - 23 GPM
 Head Range: 0 - 10 Feet
 Minimum Fluid Temperature: 40°F (4°C)
 Maximum Fluid Temperature:
 Cast Iron: 240°F (115°C)
 Stainless Steel: 230°F (110°C)
 Maximum Working Pressure: 125 psi
 Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged



FOR INDOOR USE ONLY

NSF® ≤ .25% Lead

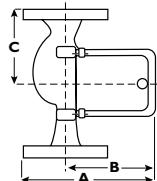
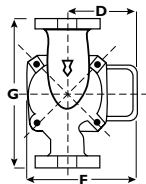
Complies with California Health and Safety Code Section 116875 / AB1953 and Vermont Act 193

Application

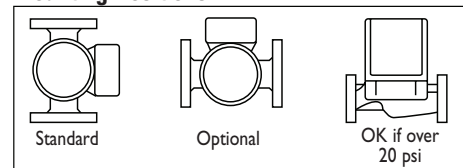
The Taco 007 is a cartridge style, maintenance free, wet-rotor, in-line, single stage circulator pump. It is designed for quiet operation in Hydronic heating, Radiant heating, Hydro-Air fan coils, Indirect water heaters, Chilled fresh water, and Domestic Water Recirculation systems. Available in Cast Iron or Stainless Steel construction with universal flanged connections. The unique replaceable cartridge contains all of the moving parts and allows the circulator to be easily serviced instead of replacing the entire unit. Ideal for a wide range of applications.

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
007-F5	Cast Iron	6-3/8	162	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-F5-5	Cast Iron	6	152	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-SF5	St. Steel	6-3/8	162	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	7.0	3.2



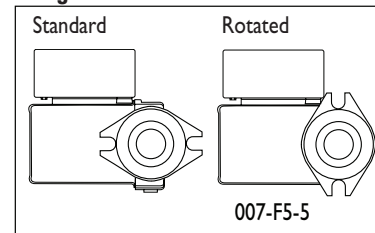
Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
007-F5	115	60	1	.71	3250	1/25
007-SF5	115	60	1	.76	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

