

Model 007 Cartridge Circulator

The 007 is the most popular hydronic circulator sold today. With its field serviceable cartridge design, the compact 007 provides quiet, efficient operation and unmatched reliability. The self-lubricating, maintenance free design and flow characteristics make it the ideal hydronic circulator for a wide range of applications.



WATER CIRCULATION, FLOW CONTROL, AIR ELIMINATION, FLOW MEASUREMENT/BALANCING, ELECTRONIC CONTROLS

Do it once.
Do it right. 

Submittal Data Information Model 007 Cartridge Circulators

Features

- Unique Replaceable Cartridge Design-Field Serviceable
- Unmatched Reliability-Maintenance Free
- Quiet, Efficient Operation
- Standard High Capacity Output-Compact Design
- Direct Drive-Low Power Consumption
- Universal Flange to Flange Dimension
- Wide Range of Applications

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
Variations:
 Z - Zoning Circulator
 J - Bronze Cartridge with Cast Iron Casing

Performance Data

Flow Range: 0 – 20 GPM
 Head Range: 0 – 11 Feet
 Minimum Fluid Temperature: 40°F (4°C)
 Maximum Fluid Temperature,
 Cast Iron: 240°F (115°C)
 Bronze: 230°F (110°C)
 Maximum Working Pressure: 125 psi
 Minimum Required Inlet Pressure: 14 psi
 Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

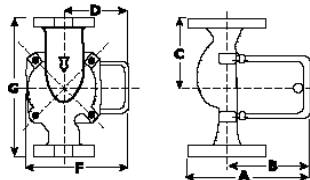

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Application

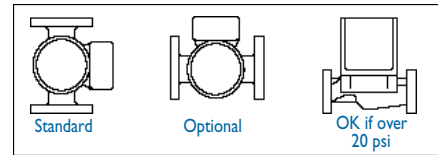
The Taco 007 is a cartridge style, maintenance free, wet-rotor, in-line, single stage circulator pump. It is designed for quiet operation in Hydronic Heating, Radiant Heating, Hydro-Air Fan Coils, Indirect Water Heating, Chilled Fresh Water, and Domestic Water Systems. Available in Cast Iron or Bronze 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 & Weight

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	6-1/8	156	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-BF5	Bronze	6-1/8	156	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6



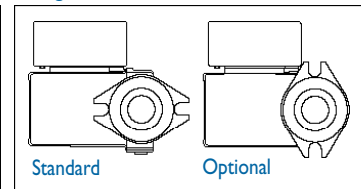
Mounting Positions



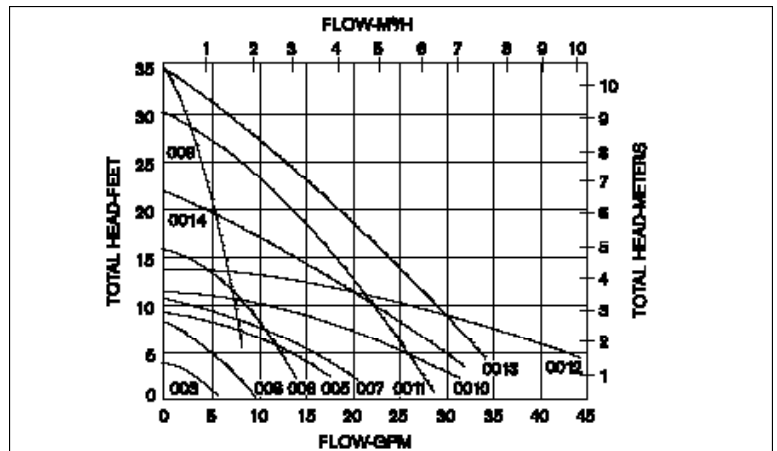
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
007-F5	115	60	1	.70	3250	1/25
007-BF5	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



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