Model 007 Cartridge Circulator

The Taco 007 Cartridge Circulator 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.

Stainless Steel

c UL us LISTED

NSF Certified to NSF/ANSI 372

Low Lead Compliant

Taco Comfort Solutions™
A Taco Group Company

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Supersedes: 03/25/13

Effective Date: 06/10/15
Printed in USA

Submittal Data Information
Model 007 Cartridge Circulator

Submittal Data # 101-029
Supersedes: 03/25/13

Effective: 06/10/15

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

Performance Data

Max. Flow: 23 GPM
Max. Head: 10 Feet
Min. Fluid Temperature: 40˚F (4˚C)
Max. Fluid Temperature: 230˚F (110˚C)
Max. Working Pressure: 125 psi
Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings

c UL US LISTED **FOR INDOOR USE ONLY**

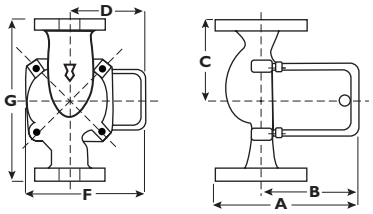
NSF Certified to NSF/ANSI 372 **Low Lead Compliant**

Application

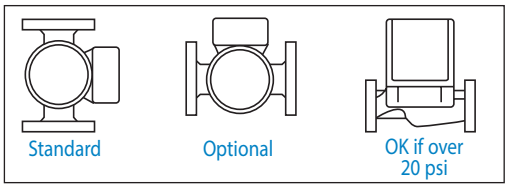
The Taco 007 is a cartridge style, maintenance free, wet-rotor, in-line, single stage circulator pump. It is designed for quiet operation in Hydronic heating, Radiant heating, Hydro-Air fan coils, Indirect water heaters, Chilled fresh water, and Domestic Water Recirculation systems. Available in Cast 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

Models	Casing	Flange Type*	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	S	6-3/8	162	4-1/2	114	3-3/16	81	3-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-F5-5	Cast Iron	R	6-1/2	156	4-1/2	114	3-3/16	81	3-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-SF5	St. Steel	S	6-3/8	162	4-1/2	114	3-3/16	81	3-15/16	75	4-3/4	121	6-3/8	162	7.0	3.2



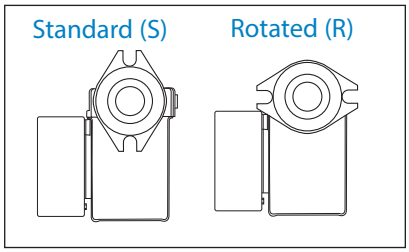
Mounting Positions



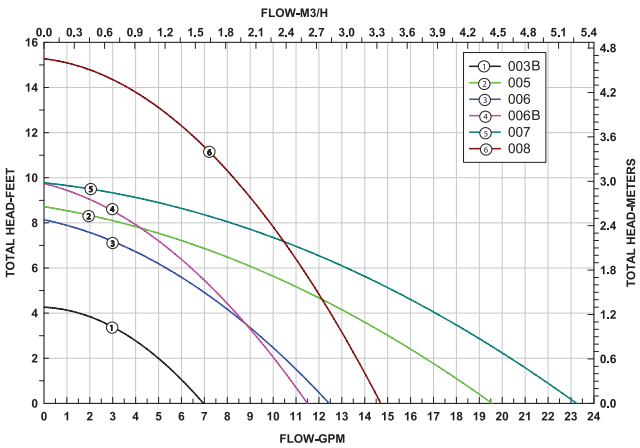
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
Cast Iron	115	60	1	.74	3250	1/25
St. Steel	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 Type



Performance Field - 60Hz



Taco Comfort Solutions™
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Taco Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360
Taco (Canada) Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 / (905) 564-9422 / Fax (905) 564-9436
www.TacoComfort.com