Model 008 Cartridge Circulator

The Taco 008 Cartridge Circulator is designed for quiet, efficient operation in higher-head applications for hydronic heating, radiant in-floor/panel heating, solar heating, heat recovery, water source heat pump, and domestic water recirculation systems. Its unique field-serviceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. With no mechanical seal, the self-lubricating, maintenance free design provides unmatched reliability. Available in Cast Iron or Stainless Steel, flanged or Low-Lead Bronze, sweat construction.

Low-Lead Bronze

Stainless Steel

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NSF Certified to NSF/ANSI 372

Low-Lead Compliant

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Supersedes: 05/08/09

Effective Date: 04/15/13
Printed in USA

Submittal Data Information
Model 008 Cartridge Circulator

Submittal Data # 101-031
Supersedes: 05/08/09

Effective: 04/15/13

Features

- Standard High Capacity Output-Compact Design
- Quiet, Efficient Operation
- Direct Drive - Low Power Consumption
- Unique Replaceable Cartridge - Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability - Maintenance Free
- Universal Flange to Flange Dimensions
- Cast Iron or Stainless Steel, Flanged and Bronze, Sweat Connections

Materials of Construction

Casing (Volute):
Cast Iron, Stainless Steel or Low-Lead Bronze
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
BC – Bronze, 3/4" Sweat Connections

Performance Data

Max. Flow: 14 GPM
Max. Head: 15 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", 1/2" Flanged
3/4" Sweat

Certifications & Listings

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

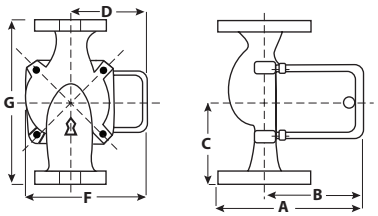
NSF Certified to NSF/ANSI 372 **Low-Lead Compliant**

Application

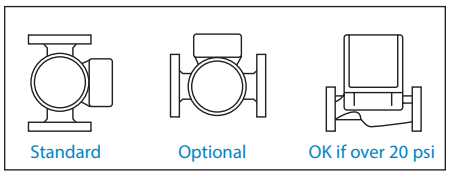
The Taco 008 is designed for a wide range of residential and light commercial higher-head water circulating applications.Typical uses include hydronic heating,radiant in-floor/panel heating and closed-loop solar heating systems. The Stainless Steel or Bronze 008 can be used in higher-head heat recovery, water source heat pump,open-loop solar heat and domestic water recirculation systems.The unique replaceable cartridge contains all of the moving parts and allows for easy service,instead of replacing the entire circulator. Compact,direct-drive,low powerconsumption design is ideal or high-efficiency jobs.

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
008-F6	Cast Iron	S	6	152	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
008-F6-3	Cast Iron	R	5-1/2	140	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
008-SF6	St. Steel	S	6	152	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
008-SF6-2	St. Steel	R	5-1/2	140	4	102	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
008-BC6	Bronze	---	5-5/8	143	4-9/16	116	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6



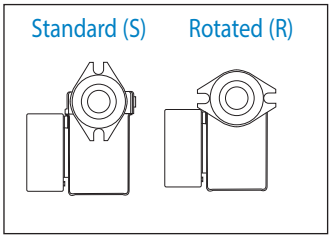
Mounting Positions



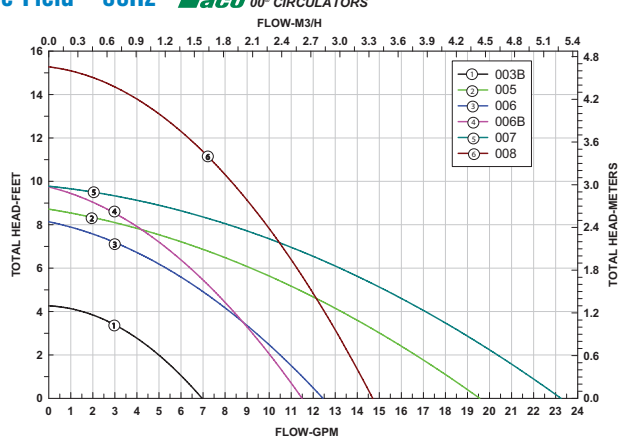
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
Cast Iron	115	60	1	.79	3250	1/25
Stainless Steel/Bronze	115	60	1	.84	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



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