

Model 0014 Cartridge Circulator

The High Velocity series Taco 0014 cartridge circulator is designed for quiet, efficient operation in medium head / medium flow applications on large residential / light commercial hydronic heating, radiant heating, chilled water cooling and open loop domestic fresh water systems. The exclusive ACB anti-condensate baffle with ambient air flow prevents the build up of condensate on the motor windings when pumping chilled water. 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. Compact and lightweight, with excellent performance characteristics, the 0014 is ideal for high efficiency jobs where space is a premium. Available in Cast Iron or Stainless Steel construction.



Submittal Data # 101-065
 Supersedes: 10/01/02

Effective: 02/10/09

Features

- Exclusive ACB Anti-Condensate Baffle with ambient air flow - Protects motor windings against condensate buildup
- High Velocity performance - 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

ACB Baffle	Non-Ferrous
Casing (Volute):	Cast Iron or Stainless Steel
Stator Housing:	Aluminum
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
 J – Bronze cartridge with Cast Iron casing

Performance Data

Flow Range: 0 – 32 GPM
 Head Range: 0 – 22 Feet
 Minimum Fluid Temperature: 40°F (4°C)
 Maximum Fluid Temperature: 230°F (110°C)
 Maximum Working Pressure: 125 psi
 Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged



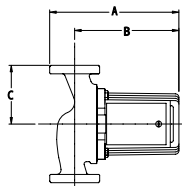
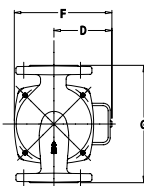
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Application

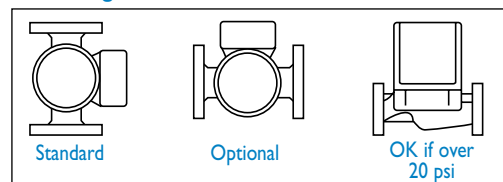
The Taco 0014 is specifically designed for medium head / medium flow applications in large residential and light commercial systems. Ideal for large BTUH boilers, primary/secondary loops, commercial water heaters, and light commercial heating and cooling systems. The Stainless Steel 0014 should be used on open loop systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. Universal flange to flange dimensions and orientation allows the 0014 to easily replace other models. The compact, direct-drive, low power consumption design makes it ideal for high-efficiency jobs.

Pump Dimensions & Weights

		A		B		C		D		F		G		Ship Wt.	
Model	Casing	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0014-FI	Cast Iron	7-1/4	184	5-13/16	148	3-1/4	83	3-5/16	84	5-3/8	137	6-1/2	165	12.0	5.5
0014-SFI	St. Steel	7-1/4	184	5-13/16	148	3-1/4	83	3-5/16	84	5-3/8	137	6-1/2	165	12.0	5.5



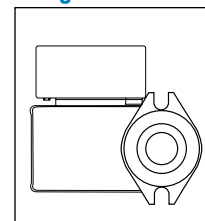
Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
0014-FI	115	60	1	1.45	3250	1/8
0014-SFI	115	60	1	1.45	3250	1/8
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

