

### **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 systems. Ideal for hydronic heating, radiant heating, chilled water cooling and open loop domestic fresh water 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. 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.



Low-Lead  
Compliant



# Submittal Data Information Model 0014 Cartridge Circulator

Submittal Data # 101-065  
Supersedes: 06/27/13

Effective: 01/12/15

## Features

- 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

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

## Performance Data

Max. Flow: 32 GPM  
Max. Head: 22 Feet  
Min. Fluid Temperature: 40°F (4°C)  
Max. Fluid Temperature: 230°F (110°C)  
Max. Working Pressure: 150 psi  
Connection Sizes:  
3/4", 1", 1-1/4", 1-1/2" Flanged

## Certifications & Listings

**UL** US LISTED FOR INDOOR USE ONLY

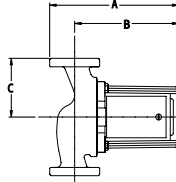
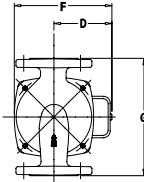
**NSF** Low-Lead Compliant  
Certified to NSF/ANSI 372

## Application

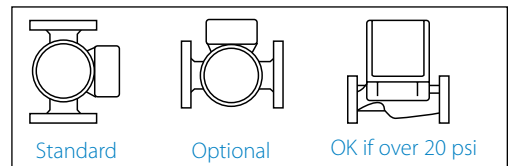
The Taco 0014 is specifically designed for medium head/medium flow applications in large residential and light commercial systems. Ideal for large BTUH boilers, primary/secondary loops, commercial water heaters, and light commercial heating and cooling systems. The Stainless Steel 0014 should be used 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

Model	Casing	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0014-F1	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-SF1	S. 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



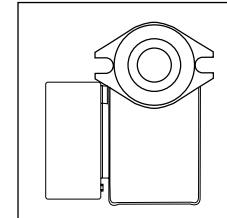
## Mounting Positions



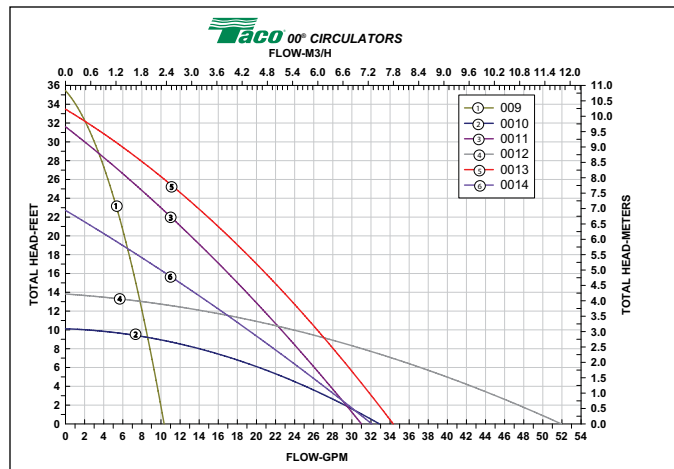
## Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
0014-F1	115	60	1	1.45	3250	1/8
0014-SF1	115	60	1	1.45	3250	1/8
<b>Motor Type</b>	Permanent Split Capacitor Impedance Protected					
<b>Motor Options</b>	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

## Flange Orientation



## Performance Field - 60Hz



### Model 0014-IFC® Cartridge Circulator

The 0014-IFC includes an Integral Flow Check, saving installation costs while improving system performance. The removable, spring loaded IFC® replaces a separate in-line flow check and prevents gravity flow when the circulator is not operating. Available in Cast Iron or Stainless Steel construction.



Low-Lead  
Compliant

  
Do your **best work.**®

# Submittal Data Information Model 0014-IFC® Cartridge Circulator

Submittal Data # 101-087  
Supersedes: 05/30/13

Effective: 01/12/15

## Features

- Integral Flow Check (IFC®)
  - Prevents gravity flow
  - Eliminates separate in-line flow check
  - Reduces installed cost, easy to service
  - Improved performance vs. In-line flow checks
- Unique replaceable cartridge-Field serviceable
- Unmatched reliability-Maintenance free
- Quiet, efficient operation
- Direct drive-Low power consumption
- Self lubricating, No mechanical seal
- Standard high capacity output-Compact design
- Wide range of applications
- Cast Iron or Stainless Steel construction, Flanged connections

## Materials of Construction

Casing (Volute): Cast Iron or Stainless Steel  
 Integral Flow Check:  
 Body, Plunger..... Acetal  
 O-ring Seals..... EPDM  
 Spring..... 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  
 IFC – Integral Flow Check

## Performance Data

Maximum Flow: 29 GPM  
 Maximum Head: 23 Feet  
 Minimum Fluid Temperature: 40°F (4°C)  
 Maximum Fluid Temperature: 230°F (110°C)  
 Maximum Working Pressure: 150 psi  
 Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

## Certifications & Listings

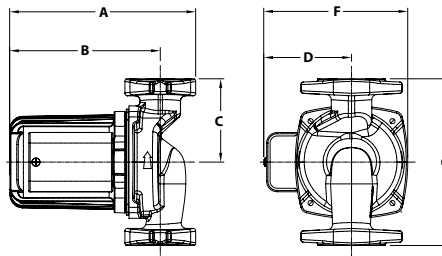


## Application

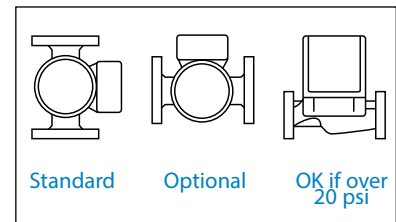
The 0014-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00° circulators on medium head / medium flow hydronic or radiant heating, hydro-air fan coils or closed loop solar heating systems. By locating the removable, spring-loaded IFC inside the pump casing, a separate in-line flow check is eliminated, reducing installation costs. The reduced pressure drop of the IFC, increases the flow performance over in-line check valves. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit.

## 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
0014-F1-1 IFC	Cast Iron	7-1/4	184	5-3/4	146	3-1/4	83	3-5/16	84	5-1/2	140	6-1/2	165	13.0	5.9
0014-SF1-1 IFC	St.Steel	7-1/4	184	5-3/4	146	3-1/4	83	3-5/16	84	5-1/2	140	6-1/2	165	12.0	5.4



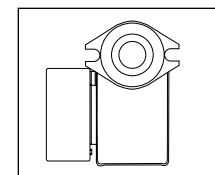
## Mounting Positions



## Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	1.55	3250	1/8
<b>Motor Type</b>	<b>Permanent Split Capacitor Impedance Protected</b>					
<b>Motor Options</b>	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

## Flange Orientation



## Performance Field - 60Hz

