



# Submittal Data Information

101-087

## Model 0014-IFC® Cartridge Circulator

Effective: January 12, 2015

Supersedes: May 30, 2013

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

ITEM NO.	MODEL NO.	IMP. DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.

### 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

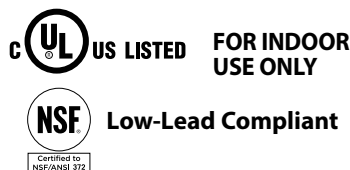
### Model Nomenclature

- 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

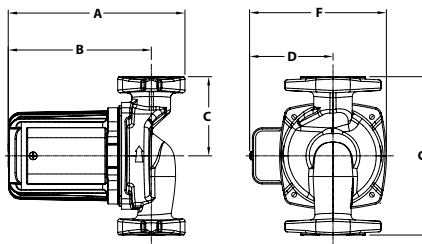


### Application

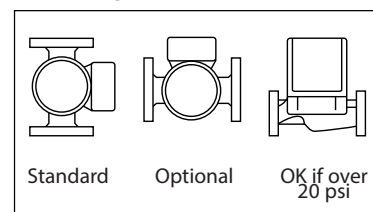
The 0014-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00° circulators on medium head / medium flow hydronic or radiant heating, hydro-air fan coils or closed loop solar heating systems. By locating the removable, spring-loaded IFC inside the pump casing, a 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-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



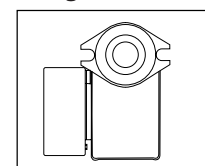
### Mounting Positions



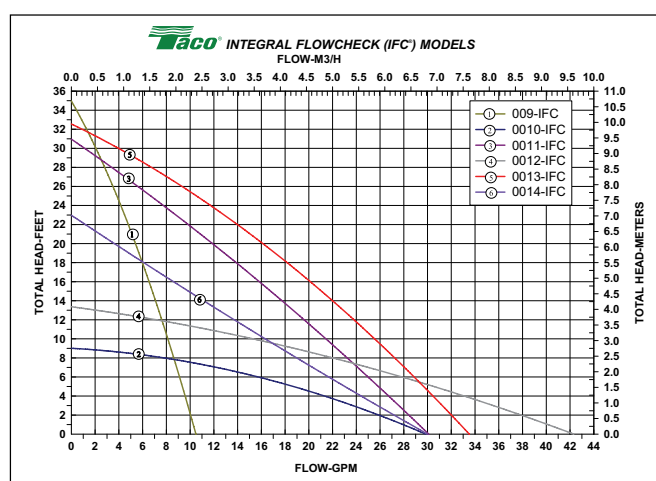
### Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	1.55	3250	1/8
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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