

Model 0014-IFC[®] Cartridge Circulator

The 0014-IFC now 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. Our Priority Zoning circulator with built-in transformer, relay and priority switch is also available with an optional IFC to make it an ideal choice when zoning with circulators. Available in Cast Iron, Bronze or Stainless Steel construction.



Submittal Data Information

Model 0014-IFC® Cartridge Circulator

Submittal Data # 101-087
Supersedes: 12/01/03

Effective: 08/07/07

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, Bronze or Stainless Steel construction, Flanged connections

Materials of Construction

Casing (Volute): Cast Iron, Bronze or 304 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
 BF – Bronze, Flanged
 SF – 304 Stainless Steel, Flanged
 IFC – Integral Flow Check
Variations:
 Z – Zoning Circulator
 J – Bronze Cartridge with Cast Iron Casing

Performance Data

Flow Range: 0 - 29 GPM
 Head Range: 0 - 23 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



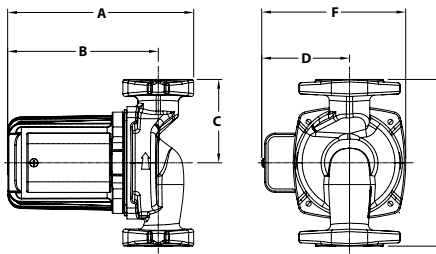
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Application

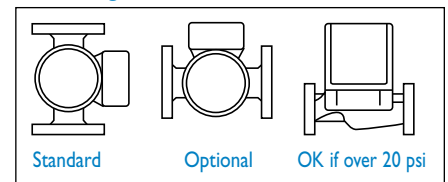
The 0014-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00® circulators on medium head / medium flow hydronic or radiant heating, hydro-air fan coils or closed loop solar heating systems. By locating the removable, spring-loaded IFC inside the pump casing, a 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. Our patented Priority Zoning circulator with built-in transformer, relay, priority switch and IFC in one complete, compact package makes it ideal for zoning.

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-FI-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-BFI-1 IFC	Bronze	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-SFI-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
0014-ZFI-1 IFC	Cast Iron	7-1/4	184	5-3/4	146	3-1/4	83	3-13/16	97	6	152	6-1/2	165	13.5	6.1
0014-ZBFI-1 IFC	Bronze	7-1/4	184	5-3/4	146	3-1/4	83	3-13/16	97	6	152	6-1/2	165	13.5	6.1
0014-ZSFI-1 IFC	St. Steel	7-1/4	184	5-3/4	146	3-1/4	83	3-13/16	97	6	152	6-1/2	165	12.5	5.7



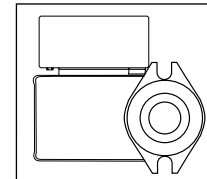
Mounting Positions



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

