

Model 0010-IFC® Cartridge Circulator

The High Velocity series 0010-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. 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 0010-IFC® Cartridge Circulator

Submittal Data # 101-085
Supersedes: 12/01/03

Effective: 06/29/07

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 - 30 GPM
Head Range: 0 - 9 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



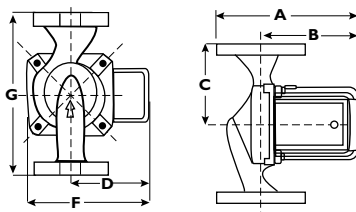
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Application

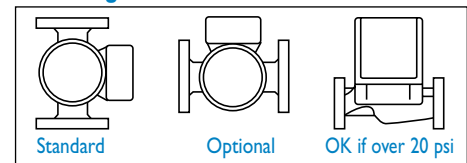
The 0010-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00® circulators. Ideal for residential or light commercial hydronic or radiant heating, hydro-air fan coils, indirect water heaters or domestic water recirculation systems. By locating the IFC inside the 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 optional IFC in one complete, compact package makes it ideal for zoning. Available in Cast Iron, Bronze or Stainless Steel construction.

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
0010-F3-I IFC	Iron	7-1/4	184	5-5/16	135	3-3/16	81	3-5/16	84	5-3/8	137	6-3/8	162	10	4.5
0010-BF3-IFC	Bronze	7-1/4	184	5-5/16	135	3-3/16	81	3-5/16	84	5-3/8	137	6-3/8	162	10	4.5
0010-SF3-IFC	St.Steel	7-1/4	184	5-5/16	135	3-3/16	81	3-5/16	84	5-3/8	137	6-3/8	162	9	4.0
0010-ZF3-I IFC	Iron	7-1/4	184	5-5/16	135	3-3/16	81	3-13/16	97	5-7/8	150	6-3/8	162	11	5.0
0010-ZBF3-I IFC	Bronze	7-1/4	184	5-5/16	135	3-3/16	81	3-13/16	97	5-7/8	150	6-3/8	162	11	5.0
0010-ZSF3-IFC	St.Steel	7-1/4	184	5-5/16	135	3-3/16	81	3-13/16	97	5-7/8	150	6-3/8	162	10	4.5



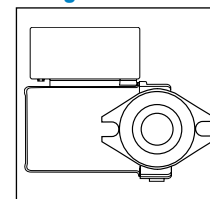
Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
Cast Iron	115	60	1	1.10	3250	1/8
Bronze				1.17		
Stainless Steel				1.17		
Motor Type	Permanent Split Capacitor Impedance Protected					
Motor Options	220/50/1, 220/60/1, 100/110/50/60/1					

Flange Orientation



Performance Field - 60Hz

