

## Model 008-IFC Cartridge Circulator

The 008-IFC features a removable Integral Flow Check designed to simplify piping, reduce installation costs and improve system performance. The spring-loaded IFC<sup>®</sup> replaces a separate in-line flow check to ensure protection against reverse flow and gravity flow. IFC is available on all Priority Zoning and Variable Speed control models.



Bronze Model



Stainless Steel Model



**NSF<sup>®</sup> ≤ .25% Lead**

Bronze & Stainless Steel Models  
Meet California AB 1953 and  
Vermont Act 193



# Submittal Data Information Model 008-IFC Cartridge Circulator

## Features

- Integral Flow Check (IFC®)  
Simplifies piping  
Prevents gravity flow and reverse flow  
Eliminates separate in-line flow check  
Reduces installed cost  
Improves system performance  
Easy to service
- Unique replaceable cartridge-Field serviceable
- Unmatched reliability-Maintenance free
- Quiet, efficient operation
- Self lubricating, No mechanical seal
- Wide range of applications
- Cast Iron, Bronze or Stainless Steel construction
- Flanged or Sweat connections

## Materials of Construction

Casing (Volute): Cast Iron, Bronze or 304 Stainless Steel  
Integral Flow Check (IFC®):  
Body, Plunger.....Acetal  
O-ring Seals.....EPDM  
Spring.....Stainless Steel  
Stator Housing: Steel  
Cartridge: Stainless Steel  
Impeller: Non-Metallic  
Shaft: Ceramic  
Bearings: Carbon  
O-Ring & Gaskets: EPDM

## Model Nomenclature

F – Cast Iron, Flanged  
SF – Stainless Steel, Flanged  
BC – Bronze, Sweat, Panel Mount  
IFC – Integral Flow Check

### Variations:

Z – Zoning Circulator  
VR – Variable Speed Outdoor Reset  
VS – Variable Speed Set Point  
VV – Variable Speed Variable Voltage  
J – Bronze Cartridge with Cast Iron Casing

## Performance Data

Flow Range: 0 - 12.5 GPM  
Head Range: 0 - 15 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 or 3/4" Sweat



**FOR INDOOR USE ONLY**

NSF® ≤ .25% Lead

Complies with California Health and Safety Code Section 116875 / AB1953 and Vermont Act 193

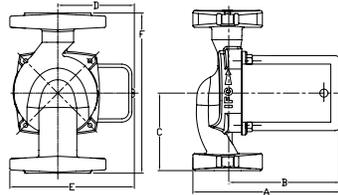
## Application

- Hydronic Heating/Cooling
- Radiant
- Indirect Water Heaters
- Hydro-Air Fan Coils
- Domestic Water Recirculation (Bronze / Stainless Steel)

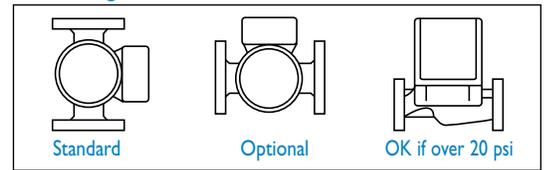
The 008-IFC is designed to simplify piping, reduce installation costs and improve system performance when zoning with 00® circulators. By locating the IFC inside the pump, a separate in-line flow check is eliminated. The low pressure drop of the IFC increases flow performance vs. in-line flow checks. Both the IFC and the cartridge are easily accessed for service.

## Pump Dimensions & Weights

Model	Casing	A		B		C		D		E		F		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
008-F6-1 IFC	Cast Iron	5-15/16	151	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
008-SF6 IFC	S. Steel	6	152	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
008-SF6-1 IFC	S. Steel	5-15/16	151	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
008-BC6-IFC	Bronze	6-1/2	165	4-9/16	116	3-3/16	81	2-15/16	75	4-11/16	119	6-3/8	162	9	4.0



## Mounting Positions



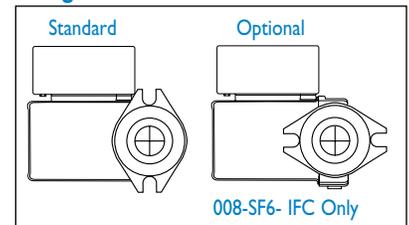
## Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
Cast Iron	115	60	1	.79	3250	1/25
Bronze / SS	115	60	1	.84	3250	1/25

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

