

Submittal Data Information

101-083

Model 005-IFC® Cartridge Circulator

Effective: June 1, 2011 Supersedes: October 17, 2008

Job: _____ Engineer: _____ Contractor: _____ Rep: ____

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

Features

- Integral Flow Check (IFC®)
 Simplifies piping
 Prevents reverse flow and gravity 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 or Stainless Steel construction
- Flanged connections

Materials of Construction

Casing (Volute): Cast Iron or 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 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 - 13.5 GPM Head Range: 0 - 7.5 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



FOR INDOOR USE ONLY

NSF® ≤ .25% Lead

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

Application

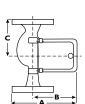
- Hydronic Heating/Cooling
- Rádiant
- Indirect Water Heaters
- Hydro-Air Fan Coils
- Domestic Water Recirculation (Stainless Steel)

The 005-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 removal and service.

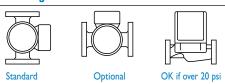
Pump Dimensions & Weights

		-	A B		В	С		D		E		F		Ship Wt.	
Model	Casing	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
005-F2-2 IFC	Cast Iron	5-5/8	143	4-1/8	105	3-3/16	81	2-15/16	75	5	127	6-3/8	162	8	3.6
005-F2-3 IFC	Cast Iron	5-3/8	137	4-1/8	105	3-3/16	81	2-15/16	75	5	127	6-3/8	162	8	3.6
005-SF2-IFC	St. Steel	5-5/8	143	4-1/8	105	3-3/16	81	2-15/16	75	5	127	6-3/8	162	8	3.6





Mounting Positions

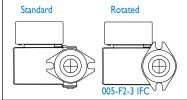


Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP			
Cast Iron	115	60	ı	.52	3250	1/35			
Stainless Steel	115	60	- 1	.54	3250	1/35			
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

Fax: (905) 564-9436



Performance Field - 60Hz

