



Submittal Data Information

101-085

Model 0010-IFC® Cartridge Circulator

Effective: February 17, 2016

Supersedes: January 12, 2015

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

ITEM NO.	MODEL NO.	

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.....St. 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

Max. Flow: 30 GPM
Max. Head: 9 Feet
Min. Fluid Temperature: 40°F (4°C)
Max. Fluid Temperature: 230°F (110°C)
Max. Working Pressure: 150 psi
Connection Sizes:
3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings

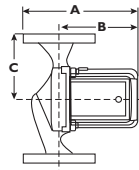
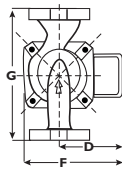


Application

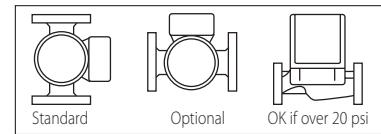
The 0010-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00°circulators. Ideal for residential or light commercial hydronic or radiant heating, hydro-air fan coils, indirect water heaters or domestic water recirculation systems. By locating the IFC inside the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

Pump Dimensions & Weights

Models	Casing	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0010-F3-1 IFC	Cast Iron	7-1/4	184	5-5/16	135	3-3/16	81	3-15/16	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	3-15/16	84	5-1/8	137	6-3/8	162	9	4.0



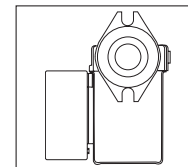
Mounting Positions



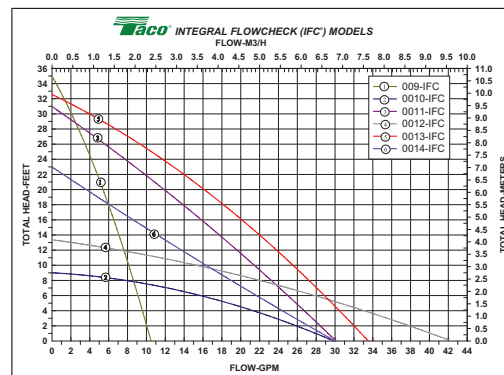
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
0010-F3-1 IFC	115	60	1	1.10	3250	1/8
0010-SF3-IFC	115	60	1	1.20	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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