



Submittal Data Information

Model 0013-IFC® Cartridge Circulator

101-086

Effective: November 21, 2024

Supersedes: January 12, 2015

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

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

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 St. Steel construction, Flanged

Materials of Construction

Casing (Volute): Cast Iron or 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
 SF – Stainless Steel, Flanged
 IFC – Integral Flow Check

Performance Data

Max. Flow: 33 GPM
 Max. Head: 32 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

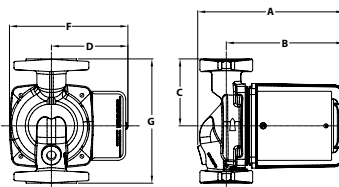


Application

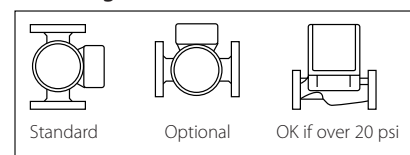
The 0013-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00° circulators on high head / high flow hydronic or radiant heating, hydro-air fan coils or heat exchangers and geothermal systems. By locating the removable, spring-loaded IFC inside the pump casing, a separate in-line flow check is eliminated, reducing installation costs. The reduced pressure drop of the IFC, increases the 0013 flow performance over in-line check valves. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit.

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
0013-F3-1 IFC	Cast Iron	7-1/2	191	6-3/8	162	3-1/2	89	3-7/8	86	6	152	6-1/2	165	12.5	5.7
0013-SF3-IFC	St. Steel	7-1/2	191	6-3/8	162	3-1/2	89	3-7/8	86	6	152	6-1/2	165	11.5	5.2



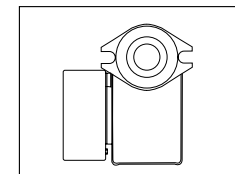
Mounting Positions



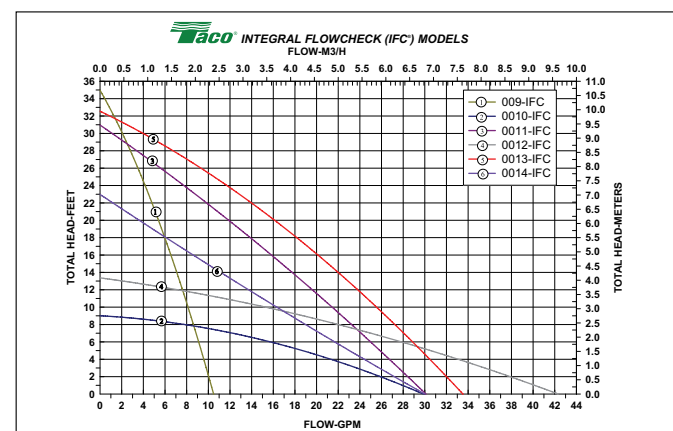
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	2.0	3250	1/6
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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