



Submittal Data Information

101-084

Model 0011-IFC® Cartridge Circulator

Effective: January 12, 2015

Supersedes: June 10, 2013

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 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..... 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: 30 GPM
 Max. Head: 31 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" Flange

Certifications & Listings

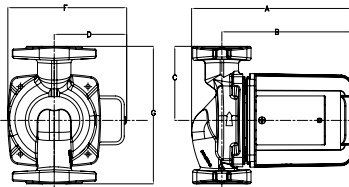


Application

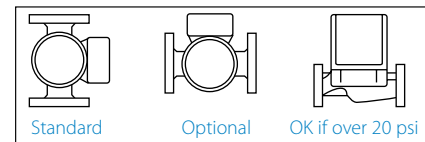
The 0011-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00° circulators. Typical uses include large residential or light commercial high head / medium flow applications such as hydronic or radiant heating, hydro-air fan coils, indirect water heaters or domestic water recirculation systems. By locating the removable, spring-loaded IFC inside the pump casing, a separate in-line flow check is eliminated. The reduced pressure drop of the IFC increases the 0011 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
0011-F4-2 IFC	Cast Iron	7-1/2	191	6-1/8	156	3-1/2	89	3-5/16	84	5-1/2	140	6-1/2	165	12.0	5.5
0011-SF4-IFC	St. Steel	7-1/2	191	6-1/8	156	3-1/2	89	3-5/16	84	5-1/2	140	6-1/2	165	12.0	5.5



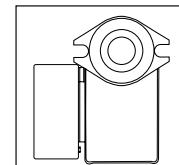
Mounting Positions



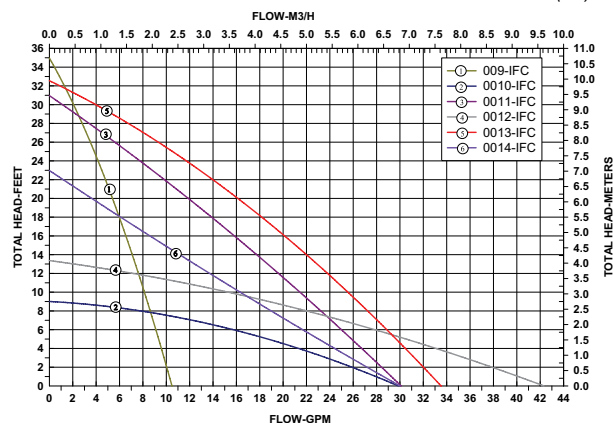
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	1.76	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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Printed in USA

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