Submittal Data Information

101-067

Model 006-IFC® Cartridge Circulator

Effective: June 6, 2011 **Supersedes:** April 15, 2006

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

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

Features

- Integral Flow Check (IFC®) Patent# 5,664,939
  Prevents gravity flow / 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
- Bronze Construction with 1/2" & 3/4" Sweat Connections or Stainless Steel Union Connections

Materials of Construction

Casing (Volute):	Bronze or Stainless Steel
Integral Flow Check:	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 - Chlorine Resistant

Model Nomenclature

BC - Bronze Sweat Connections, Panel Mount Tappings
SC - Stainless Steel, Union Connection, Panel Mount Tappings
IFC - Integral Flow Check

Performance Data

Flow Range: 0 – 9 GPM
Head Range: 0 – 9 Feet
Minimum Fluid Temperature: 40˚F (4˚C)
Maximum Fluid Temperature: 220˚F (104˚C)
Maximum Working Pressure: 125 psi

c UL us LISTED

FOR INDOOR USE ONLY

NSF® ≤ .25% Lead

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

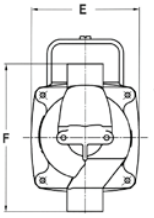
Application

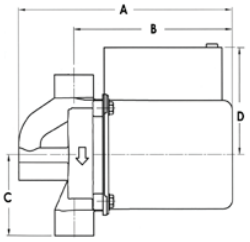
- Domestic Hot Water Recirculation
- Hydro-Air Fan Coils
- Heat Recovery Units
- Water Source Heat Pumps
- Potable Water Systems

The 006-IFC with an Integral Flow Check (IFC®) is designed for the circulation of hot or chilled fresh water in open or closed loop applications. The IFC feature simplifies piping, eliminates separate in-line flow check, reduces installation costs and improves system performance. With its patented location at the impeller inlet, the IFC is easy to service without removing the entire unit from system piping. The unique, replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator.

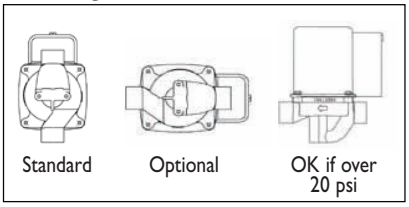
Pump Dimensions & Weights

		A		B		C		D		E		F		Ship Wt.	
Model	Conn	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
006-BC7-1IFC	1/2" Swt	6	152	4-7/8	124	2-3/16	56	2-15/16	75	3-5/16	84	4-3/8	111	6.0	2.7
006-BC7-IFC	3/4" Swt	6	152	4-7/8	124	2-3/16	56	2-15/16	75	3-5/16	84	4-3/8	111	6.0	2.7
006-SC7-IFC	Union	6	152	4-7/8	124	2-31/32	76	2-15/16	75	3-5/16	84	5-15/16	151	6.0	2.7





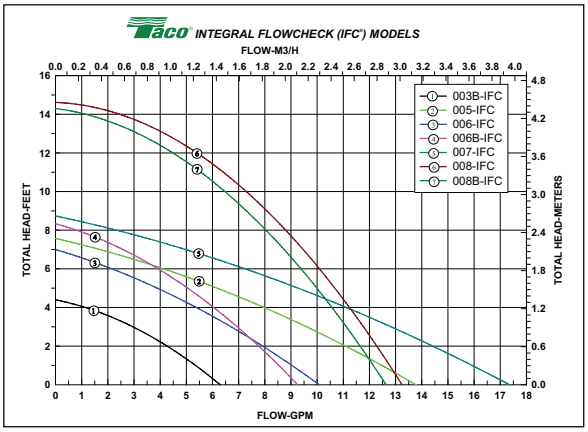
Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
006 All Models	115	60	1	.52	3250	1/40
Motor Type	Permanent Split Capacitor, Impedance Protected					
Motor Options	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

Performance Field - 60 Hz



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