



Submittal Data Information

101-078

Model 008-IFC® Cartridge Circulator

Effective: April 1, 2006

Supersedes: March 15, 2004

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 gravity flow and 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
- Cast Iron or Bronze construction, Flanged or Sweat connections

Materials of Construction

Casing (Volute): Cast Iron or Bronze
 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
 BF – Bronze, Flanged
 BC – Bronze, Sweat, Panel Mount
 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 - 12.5 GPM
 Head Range: 0 - 15 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 or 3/4" Sweat



FOR INDOOR USE ONLY

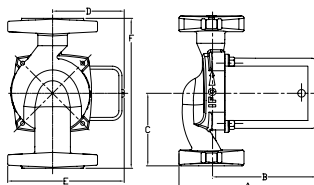
Application

- Hydronic Heating/Cooling
- Radiant
- Indirect Water Heaters
- Hydro-Air Fan Coils
- Domestic Water Recirculation (Bronze only)

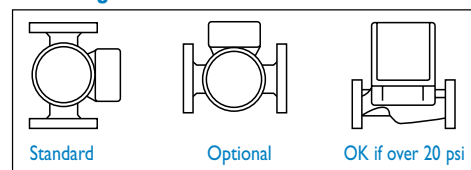
The 008-IFC is designed to simplify piping, reduce installation costs and improve system performance when zoning with "00" circulators. By locating the IFC inside the pump, a separate in-line flow check is eliminated. The low pressure drop of the IFC increases flow performance vs. in-line flow checks. Both the IFC and the cartridge are easily accessed for service.

Pump Dimensions & Weights

Model	Casing	A		B		C		D		E		F		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
008-F6-I IFC	Cast Iron	5-15/16	151	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
008-BF6-I IFC	Bronze	5-15/16	151	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
008-ZF6-I IFC	Cast Iron	5-15/16	151	4-1/2	114	3-3/16	81	3-5/8	92	5-9/16	143	6-3/8	162	9	4.0
008-ZBF6-I IFC	Bronze	5-15/16	151	4-1/2	114	3-3/16	81	3-5/8	92	5-9/16	143	6-3/8	162	9	4.0
008-BC6-IFC	Bronze	6-1/2	165	4-9/16	116	3-3/16	81	2-15/16	75	4-11/16	119	6-3/8	162	9	4.0



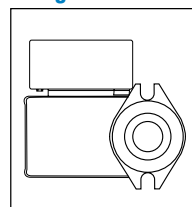
Mounting Positions



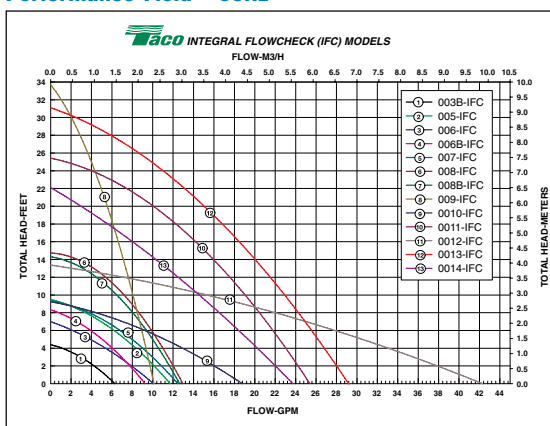
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
Cast Iron	115	60	I	.79	3250	1/25
Bronze	115	60	I	.84	3250	1/25
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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