



Submittal Data Information

101-096

Model 00R-IFC® Radiant Heating Circulator

Effective: July 1, 2009

Supersedes: April 1, 2006

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

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

Features

- Specifically designed for radiant heating applications
- Integral Flow Check (IFC®)
 - Simplifies piping
 - Prevents gravity flow / reverse flow
 - Eliminates separate in-line flow check
 - Reduces installed cost
 - Improves performance
 - Easy to service
- LED indicator light
- Unique replaceable cartridge-field serviceable
- Unmatched reliability-maintenance free
- Quiet, efficient operation
- Self lubricating, no mechanical seal
- Cast iron or stainless steel construction, flanged connections

Application

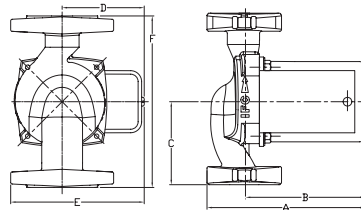
The 00R-IFC Radiant Heating circulator with Integral Flow Check specifically fits the higher head and lower flow designs used in many Radiant Heating systems. The circulator's performance curve delivers flow that can be used in a wide combination of tube diameters and length of runs. The removable, spring loaded Integral Flow Check (IFC) prevents gravity flow/reverse flow. By locating the IFC inside the pump casing, a separate in-line flow check is eliminated, simplifying piping and reducing installation costs. It also makes for a modern, clean looking job when mounting the pump in vertical runs of pipe, pumping away from the boiler. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit. Available in Cast Iron and Stainless Steel construction.

Pump Dimensions & Weights

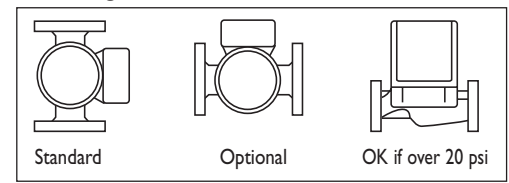
Model	Casing	A		B		C		D		E		F		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
00R-F6-1 IFC	Cast Iron	5-15/16	151	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
00R-SF6-1 IFC	Stainless Steel	5-15/16	151	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	8	3.6
00R-SF6 IFC		6	152	4	102	3-3/16	81	2-15/16	75	5	127	6-3/8	162	8	3.6

Materials of Construction

- Casing (Volute): Cast Iron or Stainless Steel
 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



Mounting Positions

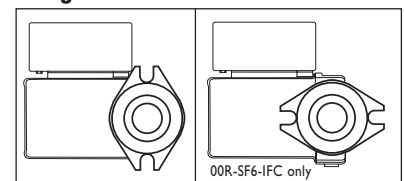


Electrical Data

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

Motor Type: Permanent Split Capacitor
 Impedance Protected

Flange Orientation



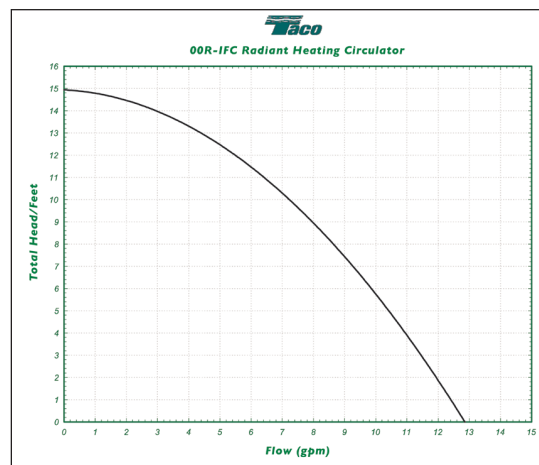
Model Nomenclature

- F – Cast Iron, Flanged
- SF – Stainless Steel, Flanged
- IFC – Integral Flow Check

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

Performance Field - 60Hz



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