

Model 00R-IFC® Radiant Heating Circulator

The 00R-IFC Radiant Heating Circulator is specifically designed for the flow and head requirements of today's Radiant heat systems. A removable Integral Flow Check (IFC®) is standard to simplify piping, prevent gravity flow/reverse flow, and improve system performance. An external LED Indicator light illuminates to show the pump is operating. Available in Cast Iron or Bronze construction.



Submittal Data Information

Model 00R-IFC® Radiant Heating Circulator

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 bronze construction, flanged 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
 IFC – Integral Flow Check

Performance Data

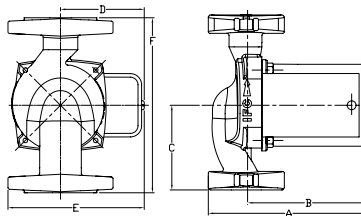
- Flow Range: 0 - 12.5 GPM
 Head Range: 0 - 15 Feet
 Minimum Fluid Temperature: 40°F (4°C)
 Maximum Fluid Temperature: 230°F (110°C)
 Maximum Working Pressure: 125 psi
 Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Application

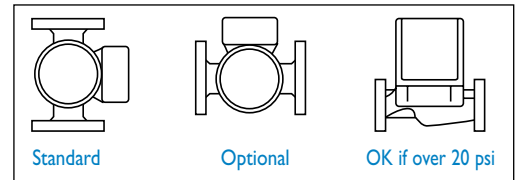
The 00R-IFC Radiant Heating Circulator with Integral Flow Check specifically fits the higher head and lower flow designs used in many Radiant Heating systems. The circulator's performance curve delivers flow that can be used in a wide combination of tube diameters and length of runs. The removable, spring 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 Bronze 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-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
00R-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



Mounting Positions

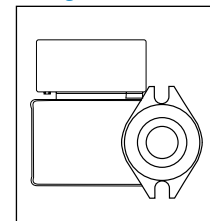


Electrical Data

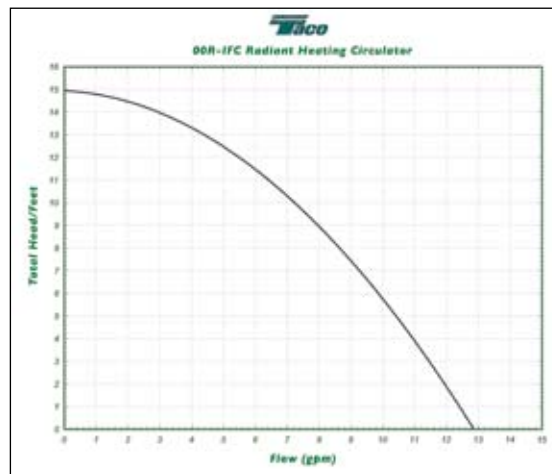
Model	Volts	Hz	Ph	Amps	RPM	HP
00R-F6-I IFC	115	60	I	.79	3250	1/25
00R-BF6-I IFC	115	60	I	.84	3250	1/25

Motor Type: Permanent Split Capacitor
Impedance Protected

Flange Orientation



Performance Field - 60Hz



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HYDRONIC COMPONENTS & SYSTEMS

