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, and improve system performance. Available in Cast Iron or Bronze construction.

Taco® radiant made easy™

Supersedes: NEW

Effective Date: 03/15/04
Printed in USA

Submittal Data # 101-096
Supersedes: NEW

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Submittal Data Information
Model 00R-IFC™ Radiant Heating Circulator

Features

- Specifically designed for Radiant Heating Applications
- Integral Flow Check (IFC) Patent # 5,664,939
  - 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
- Cast Iron or Bronze construction, Flanged connections

Materials of Construction

Casing (Volute): Cast Iron or Bronze
Integral Flow Check:
Body, Plunger....Acetal
O-ring Seals.....Nitrile
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

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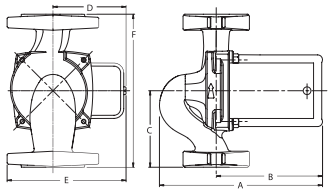
Application

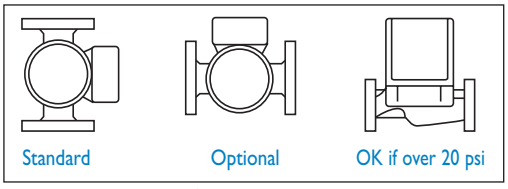
The 00R-IFC Radiant Heating Circulator with Integral Flow Check specifically fits the higher head and lower flow designs used in many Radiant Heating systems. The circulators performance curve delivers flow that can be used in a wide combination of tube diameters and length of runs. The removable, spring loaded Integral Flow Check (IFC) prevents gravity flow and reduces installation costs. By locating the patented 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

		A		B		C		D		E		F		Ship Wt.	
Model	Casing	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
00R-F6-IFC	Cast Iron	7	178	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0
00R-BF6-IFC	Bronze	7	178	4-1/2	114	3-3/16	81	2-15/16	75	5	127	6-3/8	162	9	4.0



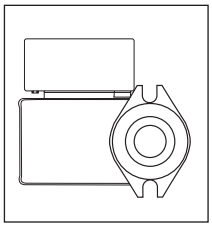
Mounting Positions



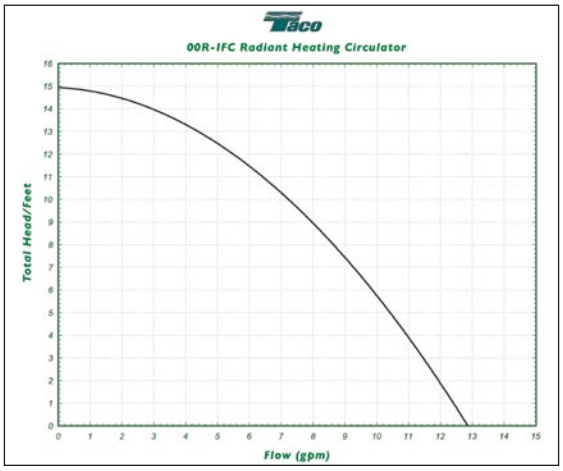
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
00R-F6-IFC	115	60	1	.79	3250	1/25
00R-BF6-IFC	115	60	1	.84	3250	1/25
Motor Type	Permanent Split Capacitor Impedance Protected					
Motor Options	100/110/50/60/1					

Flange Orientation



Performance Field - 60Hz



HYDRONIC COMPONENTS & SYSTEMS

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Taco Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360
Taco (Canada) Ltd., 6180 Ordan Drive, Mississauga, Ontario L5T 2B3 / (905) 564-9422 / Fax (905) 564-9436
www.taco-hvac.com