

Model 0012-IFC® Cartridge Circulator

The High Velocity series Taco 0012-IFC Cartridge Circulator now includes an Integral Flow Check (IFC®). The patented, removable IFC replaces a separate in-line flow check, saving installation costs while improving system performance. With all the features of the standard 0012, the 0012-IFC is also available with optional Priority Zone control with built-in transformer, relay and priority switch and three Variable Speed control options. See Catalog # 100-24. Available in Cast Iron, Bronze or Stainless Steel construction.



Submission Data Information Model 0012-IFC® Cartridge Circulator

Features

- Integral Flow Check (IFC®)
 Prevents gravity flow
 Eliminates separate in-line flow check
 Reduces installed cost, easy to service
 Improved performance vs. In-line flow checks
- Optional Variable Speed or Priority Zoning Control
- 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
- Wide range of applications
- Cast Iron, Bronze or Stainless Steel construction, Flanged connections

Materials of Construction

Casing (Volute): Cast Iron, Bronze or Stainless Steel
 Integral Flow Check:
 Body, Plunger.....Acetal
 O-ring Seals.....EPDM
 Spring.....Stainless Steel
 Stator Housing: Aluminum
 Cartridge: Stainless Steel
 Impeller: Non-Metallic
 Shaft: Ceramic
 Bearings: Carbon
 O-Ring & Gaskets: EPDM

Model Nomenclature

F – Cast Iron, Flanged
 BF – Bronze, Flanged
 SF – 304 Stainless Steel, Flanged
 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 – 42 GPM
 Head Range: 0 – 13 Feet
 Minimum Fluid Temperature: 40°F (4°C)
 Maximum Fluid Temperature: 230°F (110°C)
 Maximum Working Pressure: 125 psi
 Connection Sizes: 1-1/4", 1-1/2" Flanged



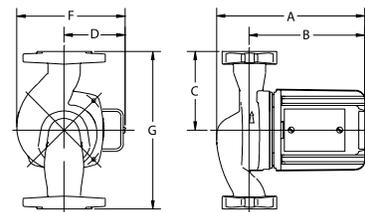
FOR INDOOR USE ONLY

Application

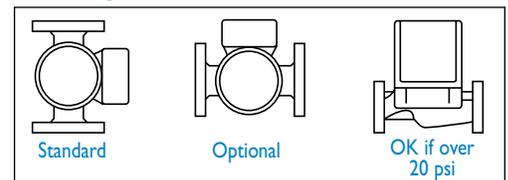
The Taco 0012-IFC with Integral Flow Check (IFC®) is designed to reduce installation costs when zoning with 00® circulators on high flow / medium head applications in large residential and light commercial systems. Ideal for large BTUH Boilers, 2" recirculation loops, primary/secondary loops, commercial water heaters and light commercial heating and cooling systems. The Bronze or Stainless Steel 0012-IFC can be used on open loop systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. Available with optional Priority Zoning or Variable Speed controls.

Pump Dimensions & Weights

Model	Casing	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0012-F4-IFC	Cast Iron	8-1/16	205	6-3/8	162	4-1/4	108	3-5/16	84	6	152	8-1/2	216	14.0	6.3
0012-BF4-IFC	Bronze	8-1/16	205	6-3/8	162	4-1/4	108	3-5/16	84	6	152	8-1/2	216	14.5	6.6
0012-SF4-IFC	St. Steel	8-5/8	219	6-3/8	162	4-1/4	108	3-5/16	84	6	152	8-1/2	216	14.5	6.6
0012-ZF4-IFC	Cast Iron	8-1/16	205	6-3/8	162	4-1/4	108	4	102	6-5/8	168	8-1/2	216	15.0	6.8
0012-ZBF4-IFC	Bronze	8-1/16	205	6-3/8	162	4-1/4	108	4	102	6-5/8	168	8-1/2	216	15.5	7.0



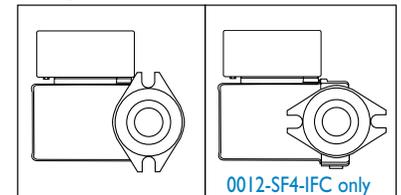
Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	1.33	3250	1/8
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

