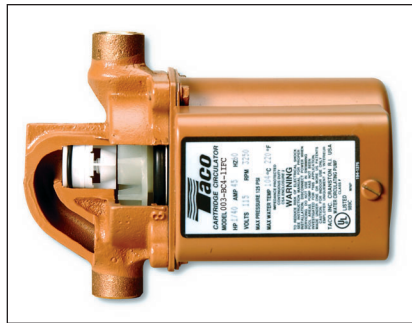


Model 003-IFC™ Cartridge Circulator

The compact Taco 003-IFC with an Integral Flow Check is designed for circulating hot and chilled fresh water in open and closed loop applications. With its patented location at the impeller inlet, the IFC eliminates the added installation costs of a separate in-line flow check and improves system performance. The unique, replaceable cartridge contains all moving parts and is easy to service instead of replacing the entire unit. The self-lubricating, maintenance free design provides quiet, efficient operation and unmatched reliability.



HYDRONIC COMPONENTS & SYSTEMS



Submission Data Information Model 003-IFC™ Cartridge Circulator

Features

- 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
- Wide range of applications
- Bronze construction, 1/2", 3/4" Sweat connections

Materials of Construction

Casing (Volute): 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

BC – Bronze, Sweat, Panel Mount
IFC – Integral Flow Check
Variations:
PNP – Plumb n' Plug, Timer & Power Cord

Performance Data

Flow Range: 0 - 6 GPM
Head Range: 0 - 4.5 Feet
Minimum Fluid Temperature: 40°F (4°C)
Maximum Fluid Temperature: 220°F (104°C)
Maximum Working Pressure: 125 psi
Connection Sizes: 1/2", 3/4" Sweat

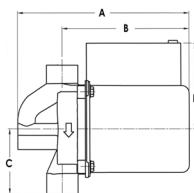
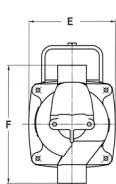


Application

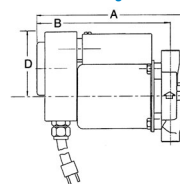
The 003-IFC with an Integral Flow Check (IFC) is designed for the circulation of hot or chilled fresh water in open or closed loop applications. The IFC feature eliminates separate in-line flow check, reduces installation costs and improves system performance. Typical uses include Domestic Hot Water Recirculation, Hydro-Air Fan Coil, Heat Recovery Units, Water Source Heat Pumps, and Potable Water applications. With its patented location at the impeller inlet, the IFC is easy to service without removing the entire unit from system piping. The unique, replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. Available with optional Plumb n' Plug Timer, Power Cord and Thermostat.

Pump Dimensions & Weights

Model	Conn.	A		B		C		D		E		F		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
003-BC4-1-IFC	1/2" Swt	6	152	4-7/8	124	2-3/16	56	2-15/16	75	3-5/16	84	4-3/8	111	6.0	2.7
003-BC4-IFC	3/4" Swt	6	152	4-7/8	124	2-3/16	56	2-15/16	75	3-5/16	84	4-3/8	111	6.0	2.7
003-BC4-2PNP	3/4" Swt	8-1/8	206	7	198	2-3/16	56	3-1/16	78	3-5/16	84	4-3/8	111	7.0	3.2
003-BC4-3PNP	1/2" Swt	8-1/8	206	7	198	2-3/16	56	3-1/16	78	3-5/16	84	4-3/8	111	7.0	3.2



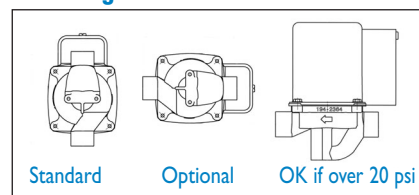
Plumb n' Plug Models



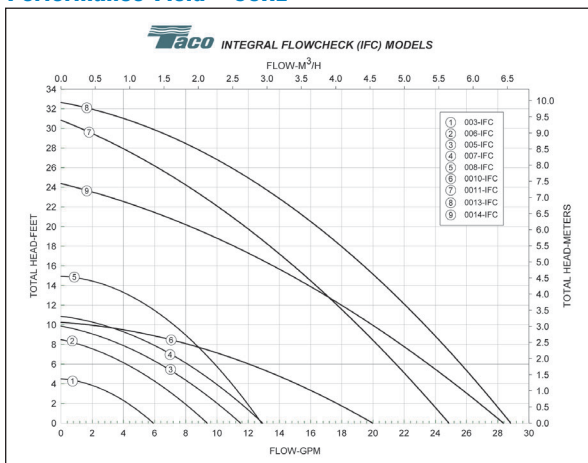
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	.45	3250	1/40
Motor Type	Permanent Split Capacitor Impedance Protected					
Motor Options	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

Mounting Positions



Performance Field - 60Hz



HYDRONIC COMPONENTS & SYSTEMS

