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, simplifies piping and improves system performance. The unique, replaceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. Its self-lubricating, maintenance free design provides quiet, efficient operation and unmatched reliability.
Submittal Data Information
Model 003-IFC® Cartridge Circulator

Features
• Integral Flow Check (IFC®)
  Patent #5,664,939
  Prevents gravity flow / reverse flow
  Eliminates separate in-line flow check
  Reduces installed cost
  Improves system performance
  Easy to service
• Unique replaceable cartridge - Field serviceable
• Unmatched reliability-Maintenance free
• Quiet, efficient operation
• Self lubricating, No mechanical seal
• Wide range of applications
• Bronze 1/2", 3/4" sweat or Stainless Steel with union connections

Materials of Construction
- Casing (Volute): Low-lead Bronze 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 - Chlorine resistant

Model Nomenclature
- BC – Bronze, panel mount tappings
- SC – Stainless Steel, union connection, panel mount tappings
- IFC – Integral Flow Check

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 or union

Certifications & Listings
- ULUS Listed
- NSF Low-Lead Compliant

Application
• Domestic Hot Water Recirculation
• Water Source Heat Pumps
• Hydro-Air Fan Coils
• Potable Water Systems
• Heat Recovery Units

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 simplifies piping, eliminates separate in-line flow check, reduces installation costs and improves system performance. 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.

* IFC is located in the discharge port on union connection model only