Submittal Data Information

Model 006-IFC Cartridge Circulator

Effective: March 29, 2017

Supersedes: March 26, 2013

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

Application

- Domestic Hot Water Recirculation
- Hydro-Air Fan Coils
- Heat Recovery Units

The 006-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.

Materials of Construction

Casing (Volute): Low-lead Bronze or St. Steel
Integral Flow Check:
  - 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 sweat connections, panel mount tappings
SC - Stainless Steel, union connection, panel mount tappings
IFC - Integral Flow Check

Performance Data

Flow Range: 0 – 9 GPM
Head Range: 0 – 8.5 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

UL Listed
Low-Lead Compliant

FOR INDOOR USE ONLY

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

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