

Model 007-IFC® Cartridge Circulator

The 007-IFC features a removable Integral Flow Check designed to improve pump performance, simplify piping and reduce installation costs. The spring-loaded IFC replaces a separate in-line-flow check to ensure protection against reverse flow and gravity flow.



Stainless Steel



Low Lead
Compliant



Submittal Data Information Model 007-IFC® Cartridge Circulator

Submittal Data # 101-077
Supersedes: 06/07/10

Effective: 02/25/12

Features

- Integral Flow Check (IFC®)
 - Simplifies piping
 - Prevents reverse flow and gravity 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
- Cast Iron or Stainless Steel construction
- Flanged connections

Materials of Construction

Casing (Volute): Cast Iron 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

Model Nomenclature

F – Cast Iron, Flanged
 SF – Stainless Steel, Flanged
 IFC® – Integral Flow Check

Performance Data

Max. Flow: 0 - 17 GPM
 Max. Head: 0 - 8.5 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

Certifications & Listings

UL US LISTED FOR INDOOR USE ONLY

NSF Low-Lead Compliant
Certified to NSF/ANSI 372

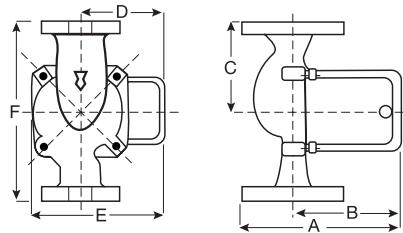
Application

- Hydronic Heating/Cooling
- Radiant
- Indirect Water Heaters
- Hydro-Air Fan Coils
- Domestic Water Recirculation (Stainless Steel only)

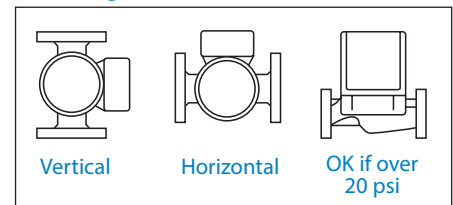
The 007-IFC is designed to simplify piping, reduce installation costs and improve system performance when zoning with 00" circulators. By locating the IFC inside the pump, a separate in-line flow check is eliminated. The low pressure drop of the IFC increases flow performance vs. in-line flow checks. Both the IFC and the cartridge are easily accessed for removal and service.

Pump Dimensions & Weights

| Model | Casing | Flange Type* | A | | B | | C | | D | | E | | F | | Ship Wt. | |
|---------------|-----------|--------------|-------|-----|-------|-----|--------|----|---------|----|-----|-----|-------|-----|----------|-----|
| | | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | Kg |
| 007-F5-7 IFC | Cast Iron | S | 6-1/8 | 156 | 4-1/2 | 114 | 3-3/16 | 81 | 2-15/16 | 75 | 5 | 127 | 6-3/8 | 162 | 9 | 4.0 |
| 007-F5-8 IFC | Cast Iron | R | 5-7/8 | 149 | 4-1/2 | 114 | 3-3/16 | 81 | 2-15/16 | 75 | 5 | 127 | 6-3/8 | 162 | 9 | 4.0 |
| 007-SF5-7 IFC | S. Steel | S | 6-1/8 | 156 | 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 |
|-----------|-------|----|----|------|------|------|
| Cast Iron | 115 | 60 | 1 | .71 | 3250 | 1/25 |
| St. Steel | 115 | 60 | 1 | .76 | 3250 | 1/25 |

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 Type

