



# Submittal Data Information

101-084

## Model 0011-IFC® Cartridge Circulator

Effective: April 22, 2010

Supersedes: June 27, 2007

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

| ITEM NO. | MODEL NO. | IMP. DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|-----------|--------|----------|------|-------------|
|          |           |           |        |          |      |             |

### 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
- 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 or Stainless Steel construction, Flanged connections

### Materials of Construction

Casing (Volute): Cast Iron 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  
 SF – Stainless Steel, Flanged  
 IFC – Integral Flow Check

### Variations:

Z – Zoning Circulator  
 J – Bronze Cartridge with Cast Iron Casing

### Performance Data

Flow Range: 0 - 30 GPM  
 Head Range: 0 - 31 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



NSF® ≤ .25% Lead

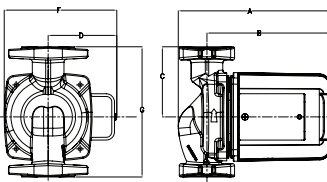
Complies with California Health and Safety Code Section 116875 / AB1953 and Vermont Act 193

### Application

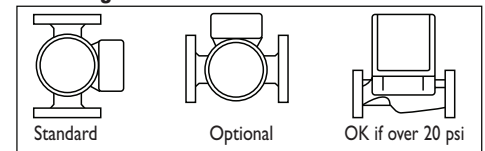
The 0011-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00® circulators on large residential or light commercial high head / medium flow applications such as hydronic or radiant heating, hydro-air fan coils, indirect water heaters or domestic water recirculation systems. By locating the removable, spring-loaded IFC inside the pump casing, a separate in-line flow check is eliminated, reducing installation costs. The reduced pressure drop of the IFC increases the 0011 flow performance over in-line check valves. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit. Our patented Priority Zoning circulator with built-in transformer, relay, priority switch and IFC in one complete, compact package makes it ideal for zoning.

### 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  |
| 0011-F4-2 IFC  | Iron      | 7-1/2 | 191 | 6-1/8 | 156 | 3-1/2 | 89 | 3-5/16  | 84 | 5-1/2 | 140 | 6-1/2 | 165 | 12       | 5.5 |
| 0011-SF4-IFC   | St. Steel |       |     |       |     |       |    | 3-13/16 | 97 | 6     | 152 |       |     | 13       | 6.0 |
| 0011-ZF4-1 IFC | Iron      |       |     |       |     |       |    |         |    |       |     |       |     |          |     |
| 0011-ZSF4-IFC  | St. Steel |       |     |       |     |       |    |         |    |       |     |       |     |          |     |



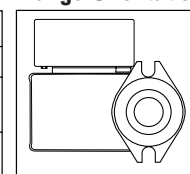
### Mounting Positions



### Electrical Data

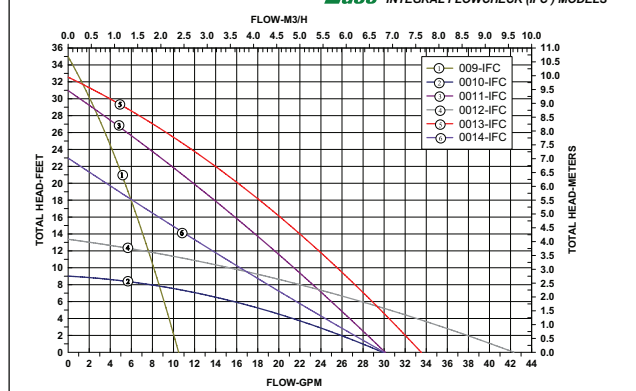
| Model         | Volts   | Hz | Ph | Amps | RPM  | HP  |
|---------------|---|----|----|------|------|-----|
| All Models    | 115   | 60 | 1  | 1.76 | 3250 | 1/8 |
| Motor Type    | Permanent Split Capacitor Impedance Protected |    |    |      |      |     |
| Motor Options | 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1 |    |    |      |      |     |

### Flange Orientation



### Performance Field - 60Hz

Taco INTEGRAL FLOWCHECK (IFC) MODELS



## Do it Once. Do it Right.®

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