



# Submittal Data Information

101-035

## Model 0012 Cartridge Circulator

Effective: June 15, 2010

Supersedes: November 20, 2008

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

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

### Features

- Exclusive ACB Anti-Condensate Baffle with Ambient Air Flow-Protects Motor Windings against Condensate Buildup
- High Velocity Performance-Compact Design
- Quiet, Efficient Operation
- Direct Drive-Low Power Consumption
- Unique Replaceable Cartridge Design-Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability-Maintenance Free
- Universal Flange to Flange dimensions
- Cast Iron, low lead Bronze or Stainless Steel Construction

### Materials of Construction

Casing (Volute): Cast Iron, low lead Bronze or 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  
 BF – Bronze, Flanged  
 SF – Stainless Steel, Flanged

#### Variations:

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

### Performance Data

Flow Range: 0 – 52 GPM  
 Head Range: 0 – 14.5 Feet  
 Minimum Fluid Temperature: 40°F (4°C)  
 Maximum Fluid Temperature: 230°F (110°C)  
 Maximum Working Pressure: 125 psi  
 Connection Sizes: 1-1/4", 1-1/2" or 2" Flanged

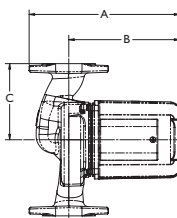
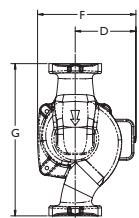
**INDOOR USE ONLY**

### Application

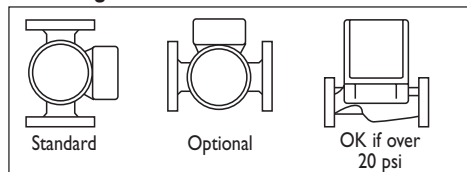
The Taco 0012 is specifically designed for high flow / medium head applications in large residential and light commercial systems. Ideal for large BTUH Boilers, 2" recirculation loops, Primary/Secondary loops, commercial water heaters and light commercial heating and cooling systems. The Bronze or Stainless Steel 0012 can be used on open loop systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. Universal flange to flange dimensions and orientation allows the 0012 to easily replace other models. Compact, low power consumption design makes it ideal for high-efficiency jobs. The 0012-F4 is a direct replacement for the HV Series and the 0012-F4-I is a direct replacement for the 2" Series using existing flanges.

### Pump Dimensions & Weights • Flanges included.

Model	Flange	Casing	A		B		C		D		F		G		Ship Wt.	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0012-F4	1-1/2"	Cast Iron	8-5/8	219	6-3/8	162	4-1/4	108	3-5/16	84	5-1/2	140	8-1/2	216	13.0	5.9
0012-SF4	1-1/2"	St. Steel	8-5/8	219	6-3/8	162	4-1/4	108	3-5/16	84	5-1/2	140	8-1/2	216	13.0	5.9
0012-F4-I	2	Cast Iron	9	229	6-3/8	162	4-1/4	108	3-5/16	84	5-1/2	140	8-1/2	216	13.0	5.9
0012-BF4-I	2	Bronze	9	229	6-3/8	162	4-1/4	108	3-5/16	84	5-1/2	140	8-1/2	216	13.0	5.9



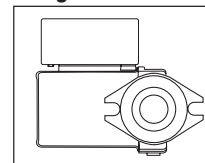
### Mounting Positions



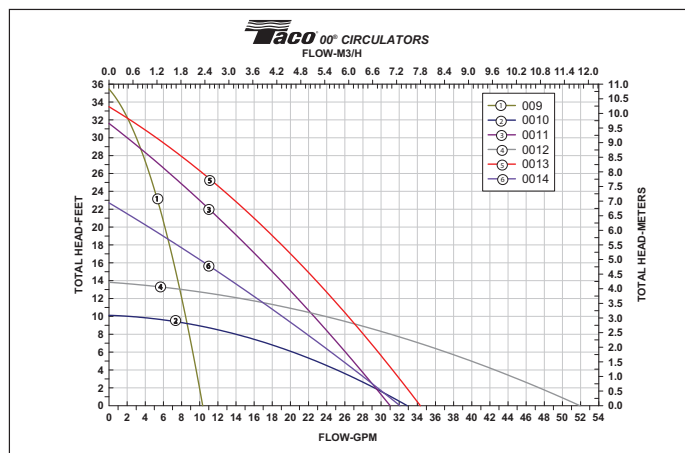
### Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
All Models	115	60	1	1.33	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



NSF® ≤ .25% Lead  
 Complies with California  
 Health and Safety  
 Code Section  
 116875 / AB1953  
 and Vermont Act 193

**Do it Once. Do it Right.®**

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