



# Submittal Data Information

101-035

## Model 0012 Cartridge Circulator

Effective: October 1, 2002

Supersedes: July 1, 2001

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 or Bronze Construction

### Materials of Construction

Casing (Volute): Cast Iron or Bronze  
 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  
**Variations:**  
 Z – Zoning Circulator  
 J – Bronze Cartridge with Cast Iron Casing

### Performance Data

Flow Range: 0 – 50 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



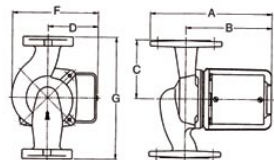
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### Application

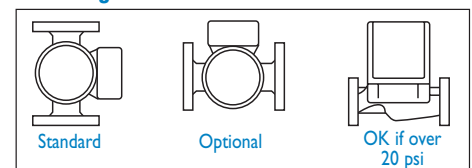
The Taco 0012 is specifically designed for high flow / medium head applications in Large residential and Light Commercial systems. Ideal for large BTUH Boilers, 2" Recirculation Loops, Primary/Secondary Loops, Commercial Water Heaters and light Commercial Heating and Cooling systems. The Bronze 0012 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

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	1-1/4", 1-1/2"	Cast Iron	8-5/8	219	6-3/8	162	4-1/4	108	3-7/8	98	6	52	8-1/2	216	13.0	5.9
0012-F4-I	2	Cast Iron	9	229	6-3/8	162	4-1/4	108	3-7/8	98	6	52	8-1/2	216	13.0	5.9
0012-BF4	1-1/4", 1-1/2"	Bronze	8-5/8	219	6-3/8	162	4-1/4	108	3-7/8	98	6	52	8-1/2	216	13.0	5.9
0012-BF4-I	2	Bronze	9	229	6-3/8	162	4-1/4	108	3-7/8	98	6	52	8-1/2	216	13.0	5.9



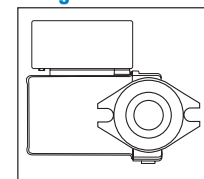
### Mounting Positions



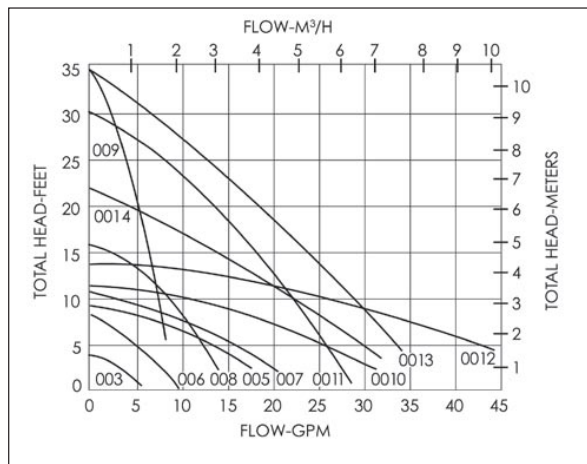
### Electrical Data

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



## Do it Once. Do it Right.

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