



Submittal Data Information

101-035

Model 0012 Cartridge Circulator

Effective: November 20, 2008

Supersedes: October 1, 2002

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, Bronze or Stainless Steel Construction

Materials of Construction

Casing (Volute):	Cast Iron, 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 – 304 Stainless Steel, 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



FOR INDOOR USE ONLY

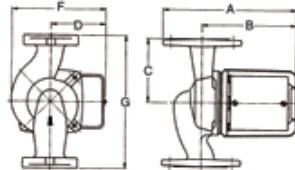
Application

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-F4-1 is a direct replacement for the 2" Series using existing flanges.

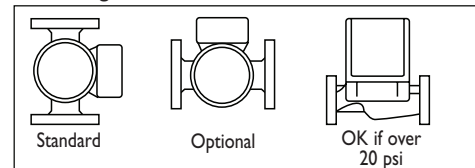
Pump Dimensions & Weights

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	1-1/2"	Cast Iron	8-5/8	219	6-3/8	162	4-1/4	108	3-5/16	84	6	52	8-1/2	216	13.0	5.9
0012-F4-1	2	Cast Iron	9	229	6-3/8	162	4-1/4	108	3-5/16	84	6	52	8-1/2	216	13.0	5.9
0012-BF4	1-1/2"	Bronze	8-5/8	219	6-3/8	162	4-1/4	108	3-5/16	84	6	52	8-1/2	216	13.0	5.9
0012-BF4-1	2	Bronze	9	229	6-3/8	162	4-1/4	108	3-5/16	84	6	52	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	6	52	8-1/2	216	13.0	5.9

* Flanges included.



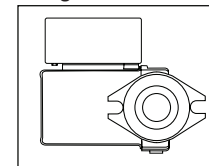
Mounting Positions



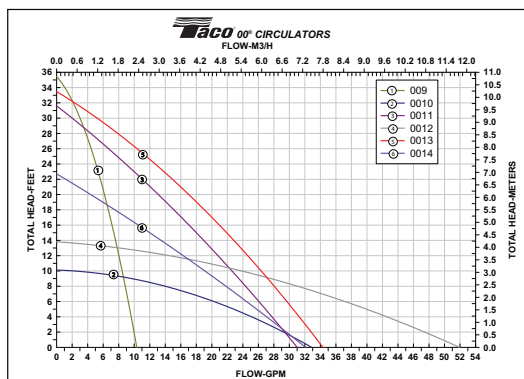
Electrical Data

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



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TACO INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 Fax: 942-2360
TACO (Canada), Ltd., 6180 Ordan Drive, Mississauga, Ontario L5T 2B3 Telephone: (905) 564-9422 Fax: (905) 564-9436
Visit our website at: www.taco-hvac.com

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