



Submittal Data Information

0012 & 0013 3-Speed Cartridge Circulators

101-166

Effective: July 19, 2021

Supersedes: June 26, 2015

Job: _____ Engineer: _____ Contractor: _____ Rep: _____

ITEM NO.	MODEL NO.	

Features

- 3-Speed Switch
- Fine tune to system requirements
- Highest performance & starting torque in class
- Heavy-Duty construction for longer life
- Removable high-flow Integral Flow Check (IFC®)
 - Prevents gravity flow
 - Reduces installation costs
 - Improves pump performance
- Replaceable cartridge design
- Quiet, efficient operation
- Self lubricating, no mechanical seal
- Wide range of applications
- Cast Iron or St. Steel, flanged construction

Materials of Construction

Casing:.....Cast Iron or St. Steel
 Integral Flow Check (IFC®):Acetal & Stainless Steel
 Stator Housing:.....Aluminum
 Cartridge:.....Stainless Steel
 Impeller:.....Non-Metallic
 Shaft:.....Ceramic
 Bearings:.....Ceramic
 O-Ring & Gaskets:.....EPDM

Performance Data

	0012	0013
Max. Flow (GPM):	42	32
Max. Head (FT):	14	33
Min. Fluid Temperature:	40°F (4°C)	
Max. Fluid Temperature:	210°F (98°C)	
Max. Working Pressure:	125 psi	
Flanged Connection Sizes:	3/4", 1", 1-1/4", 1-1/2"	

Certifications & Listings

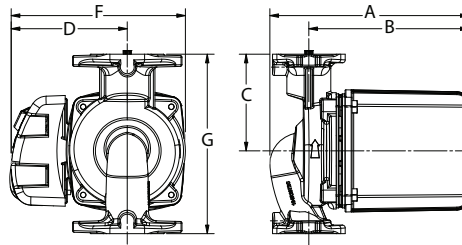
Applications

The 0012 is designed for high flow/ low head, closed loop, hydronic systems. The 0013 is designed for high flow/ high head, closed loop hydronic systems. The Stainless Steel models can be used for open systems and potable water applications.

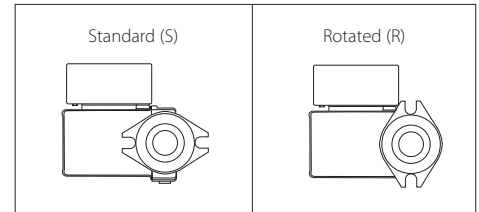
Pump Dimensions & Weights

Models	Type	Flange Code	A		B		C		D		F		G		Ship Wt.	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0012-MSF2-IFC	CI	S	8-7/16	214	6-15/64	158	4-1/4	107	4-3/64	103	6-9/64	156	8-1/2	216	12	5.5
0012-MSSF2-IFC	SS	S													15.2	6.9
0013-MSF2-IFC	CI	R	7-9/16	192	6-5/32	156	3-1/2	89	4-3/64	103	6-9/64	156	6-1/2	165	11	5
0013-MSSF2-IFC	SS	R														

Dimensions and weights are approximate.

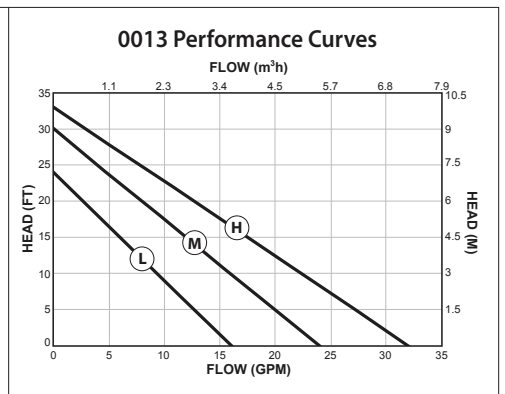
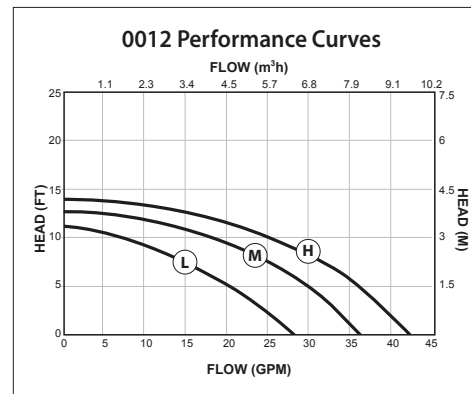


Flange Orientation



Electrical Data

Model	Volts	Hz	Ph	Amps	Watts			RPM (Speed 3)	HP
					Speed 1	Speed 2	Speed 3		
0012	115	60	1	1.65	130	170	195	3250	1/8
0013	115	60	1	1.95	140	200	235	3250	1/8
Motor Type	Permanent Split Capacitor Thermally Protected								



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