

Submittal Data Information

101-166

0012 & 0013 3-Speed Cartridge Circulators

Supersedes: July 30, 2014

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

ITEM NO.	MODEL NO.	

Features

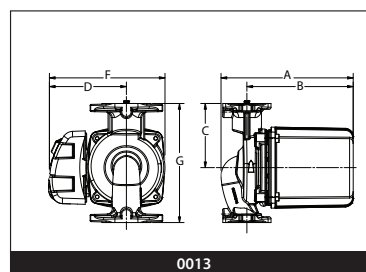
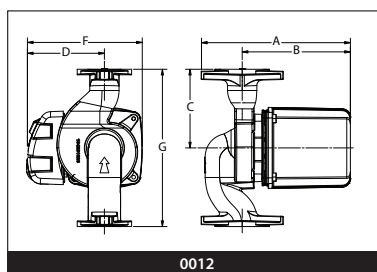
- 3-Speed Switch
- Fine tune to system requirements
- Highest performance & starting torque in class
- Heavy-Duty construction for longer life
- Removable high-flow Integral Flow Check (IFC)
 - Prevents gravity flow
 - Reduces installation costs
 - Improves pump performance
- Replaceable cartridge design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

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-MSF1-IFC	CI	S	8-1/8	206	5-7/8	150	4-1/4	107	4-1/4	107	6-1/4	159	8-1/2	214	12.5	5.7
0012-MSSF1-IFC	SS	S	8-1/8	206	5-7/8	150	4-1/4	107	4-1/4	107	6-1/4	159	8-1/2	214	12.0	5.4
0013-MSF1-IFC	CI	R	7-1/4	183	5-3/4	147	3-1/2	89	4-1/4	107	6-1/4	159	6-1/2	165	11.5	5.2
0013-MSSF1-IFC	SS	R	7-1/4	183	5-3/4	147	3-1/2	89	4-1/4	107	6-1/4	159	6-1/2	165	10.5	4.8

Materials of Construction

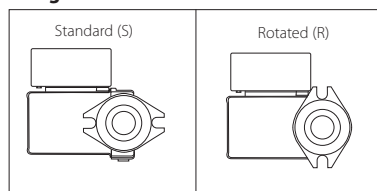
Casing:.....Cast Iron or St. Steel
 Integral Flow Check (IFC):
 Body, Plunger.....Acetal
 O-ring Seal.....EPDM
 Spring.....Stainless Steel
 Stator Housing:.....Aluminum
 Cartridge:.....Stainless Steel
 Impeller:.....Non-Metallic
 Shaft:.....Ceramic
 Bearings:.....Ceramic
 O-Ring & Gaskets:.....EPDM



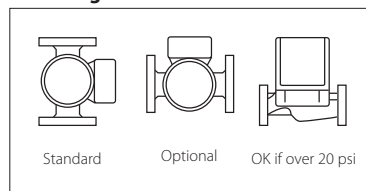
Model Nomenclature

F – Cast Iron, Flanged
 SS – Stainless Steel, Flanged
 MS – Multi-Speed
 IFC – Integral Flow Check

Flange Orientation



Mounting Positions



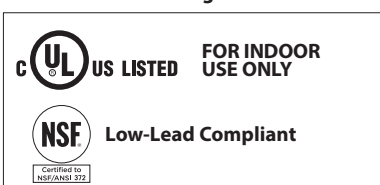
Performance Data

	0012	0013
Max. Flow (GPM):	45	30
Max. Head (FT):	15	30
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"	

Electrical Data

Model	Volts	Hz	Ph	Amps	Watts			RPM (Speed 3)	HP
					Speed 1	Speed 2	Speed 3		
0012	115	60	1	1.60	150	170	200	3250	1/6
0013	115	60	1	2.15	195	220	260	3250	1/6
Motor Type	Permanent Split Capacitor Thermally Protected								

Certifications & Listings



Taco Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360
 Taco (Canada) Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 / (905) 564-9422 / Fax (905) 564-9436

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