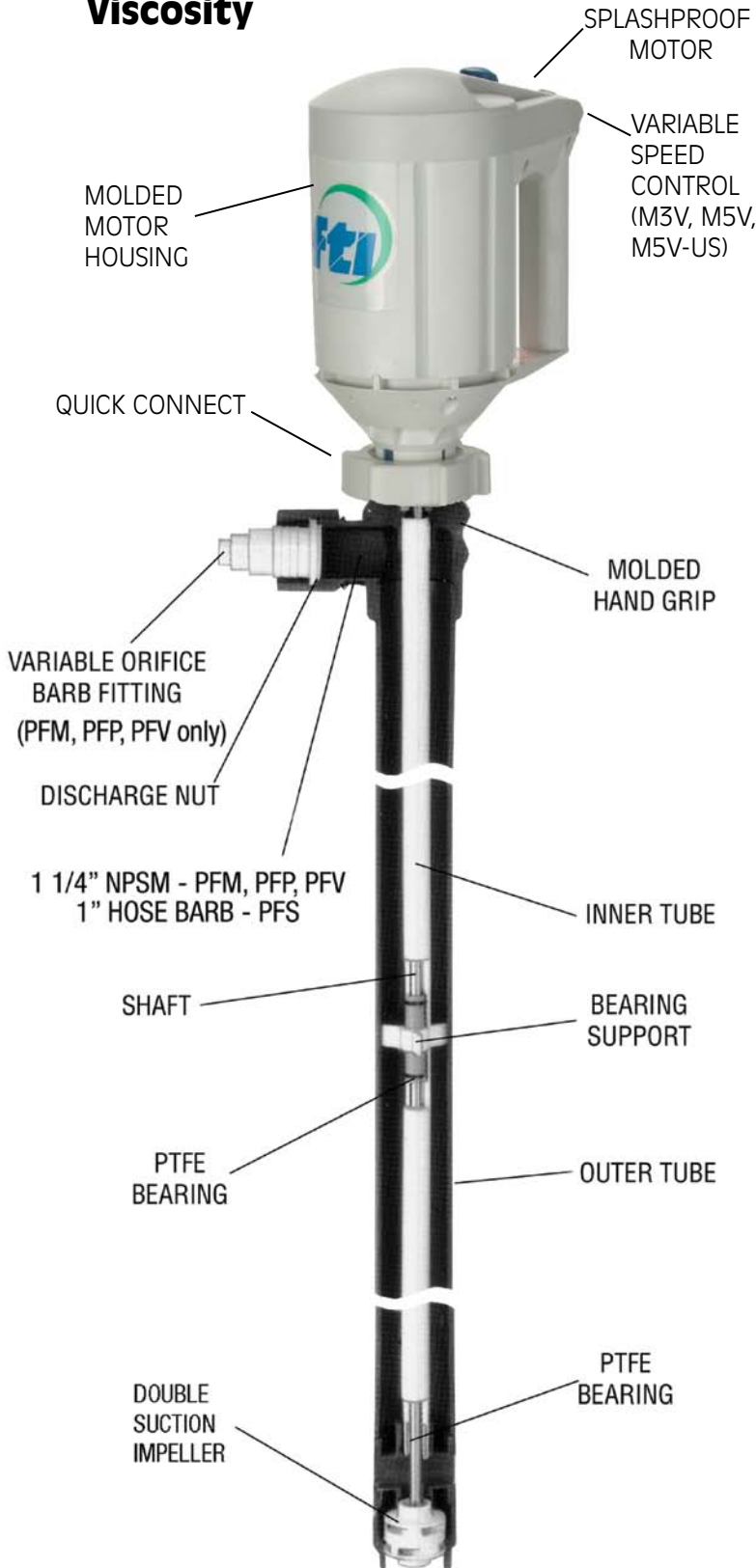


PF Series

DRUM / BARREL PUMPS

Light to Medium Viscosity



High performance, sealless drum/barrel pumps for container-to-container transfer of acids, corrosives, and chemicals.

Features

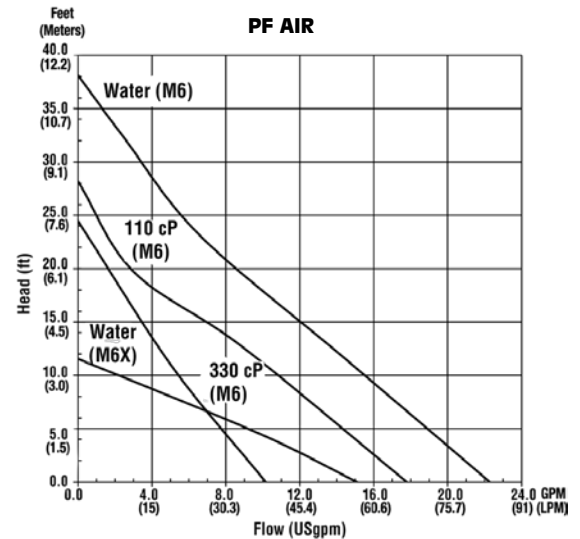
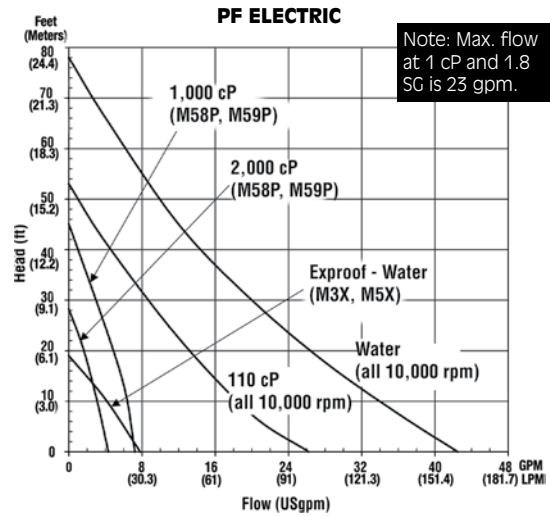
- Polypropylene, PVDF or 316SS tubes
- Unique double suction impeller
- Pump interchangeable with motors
- Up to 2000 cP with M58P and M59P 800w motors
- ATEX certified motors
- Dry run capability

Performance

- 1.83 SG
- Max. temperatures - PFP/PFM: 160°F (71°C)
PFV 27" to 60" (68.6 to 152.4 cm): 30°F (-1°C) to 120°F (49°C)
PFV 72" (183 cm): 35°F (2°C) to 115°F (46°C)
PFS: 220°F (105°C)

ELECTRIC - 50/60 Hz	AIR
• 40 gpm (151 lpm)	• 22 gpm (83 lpm)
• 80 feet TDH (24 m)	• 38 feet TDH (11.6 m)
• 2000 cP maximum	• 330 cP maximum

NOTE: Explosionproof motor performance is reduced to 7 gpm and 18 feet TDH maximum. This reduction helps to reduce static electricity.



Tube Specifications



PFP/PFM PFS PFV



Model	Tube				Seal	Shaft	Internals	Hose Size Required
	Material	Diameter	Length					
			in	cm				
PFP	Polypropylene	2" (5.1 cm)	27	69	Sealless	Alloy 625	Polypro, PTFE, PVDF, Viton®	1"
PFM	Polypropylene		40	102		SS	Polypro, PTFE, PVDF, Viton®	
PFV	PVDF		48	122		Alloy 625	PTFE, PVDF, Viton®	
PFS	SS		60	152		SS	SS, PTFE, Tefzel®, Viton®	
			72	183				

Viton(R) fluoroelastomer is a registered trademark of DuPont Dow Elastomers.
Tefzel(R) fluoropolymer film is a registered trademark of E.I. du Pont de Nemours and Company.
Note: PFM tube not offered in 72" length.

Motor Specifications



Electric motors are available in 115V or 230V, single phase, 50/60 Hz, and variable speed. All are equipped with 12 ft. (3.5 m) cord, circuit breaker with manual reset, internal cooling fan, and built-in on/off switch. Motors are rated continuous duty.



Air motors (M6, M6X) shown with ball valve and muffler.

Model	Type	Certifications	Electrical Requirements	Input		RPM	Max. Viscosity cP
				HP	W		
ODP (Open Drip Proof) IP24 Motors							
M3V	Universal - Variable Speed	CSA	115VAC/50-60 Hz	4/5	650	3,500-10,000	500
M5V	Universal - Variable Speed	CE	230VAC/50-60 Hz	4/5	650	3,500-10,000	500
M5V-US*	Universal - Variable Speed	CE	230VAC/50-60 Hz	4/5	650	3,500-10,000	500
M13	Universal - Single Speed	CE	115VAC/50-60 Hz	4/5	640	10,000	500
TEFC (Totally Enclosed Fan Cooled) IP54 Motors							
M3T	Universal - Single Speed	CSA	115VAC/50-60 Hz	4/5	640	10,000	500
M5T	Universal - Single Speed	CE	230VAC/50-60 Hz	4/5	640	10,000	500
M58P	Universal - Variable Speed		115VAC/50-60 Hz	1 1/3	1000	5,000-10,000	2,000
M59P	Universal - Variable Speed		230VAC/50-60 Hz	1 1/3	1000	5,000-10,000	2,000
M59PCE	Universal - Variable Speed	CE	230VAC/50-60 Hz	1 1/3	1000	5,000-10,000	2,000
EXP (Explosionproof) IP54 Motors							
M3X	EXP - Class 1, Division 1, Group D	CSA	115VAC/50-60 Hz	3/10	230	5,000	10
M5X**	EXP - Class 1, Division 1, Group D	CE	230VAC/50-60 Hz	3/10	230	5,000	10
M10X***	EXP - Class 1, Division 1, Group D	CE/ATEX ExII 2G Ex d IIA T4	230VAC/50-60 Hz	4/5	640	10,000	500
Air Motors							
M6****	Non-Electric (Air)	CE/ATEX Ex II 5GDc +1CTa +40C	Air Requirements 80-100 psi@ 15-32 cfm	1/2	370	300-9,000	330
M6X****	Non-Electric (Air)	CE/ATEX Ex II 5GDc +1CTa +40C	Air Requirements 80-100 psi@ 15-32 cfm	3/4	560	300-6,000	330

Note: When pumping flammables or combustibles, use explosionproof electric or non-electric (air) motors on stainless steel tubes with a static protection kit.

*Suitable for 230V, 60 Hz. Includes a NEMA 6-15 plug.

**Motor suitable for hazardous areas that do not require independent certification.

***Recommended for pumping non-flammables in an explosionproof environment.

****An air motor is a non-electrical device which means the possibility of explosion from igniting flammables or combustibles is reduced. Air motor performance will depend upon user's compressor and system set up.



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