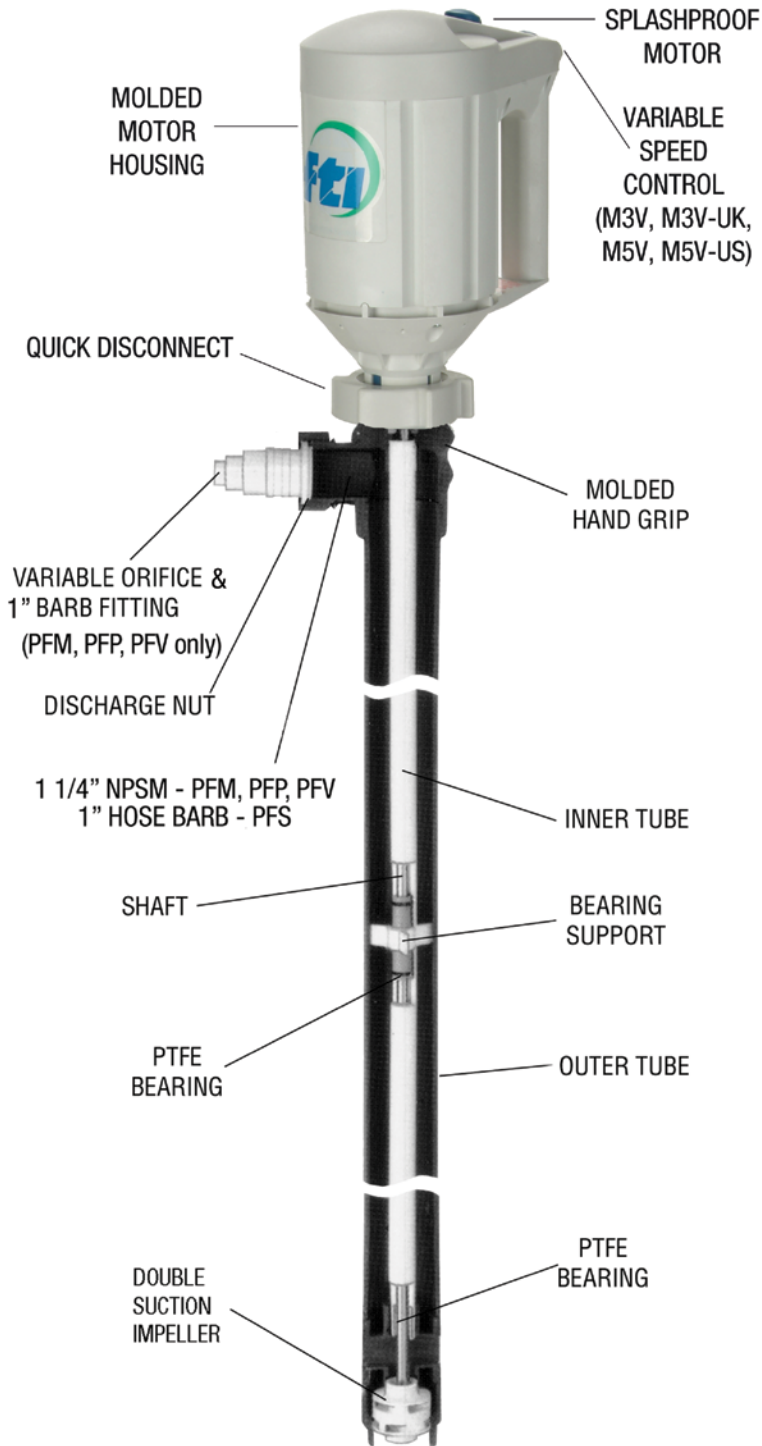


PF Series

DRUM / BARREL PUMPS

Light to Medium Viscosity



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

Features

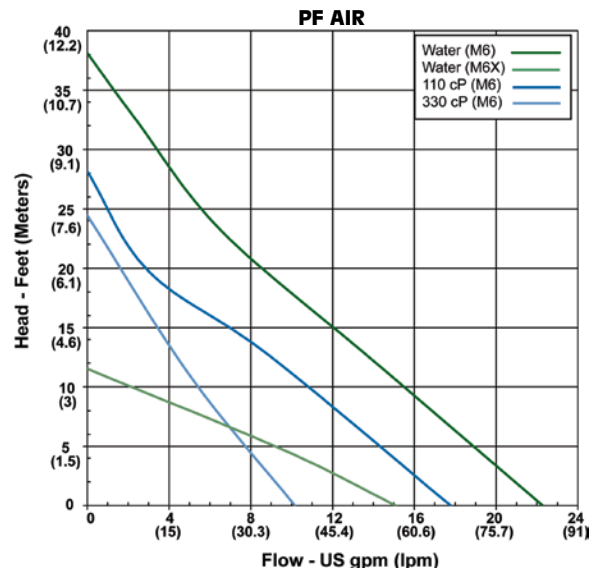
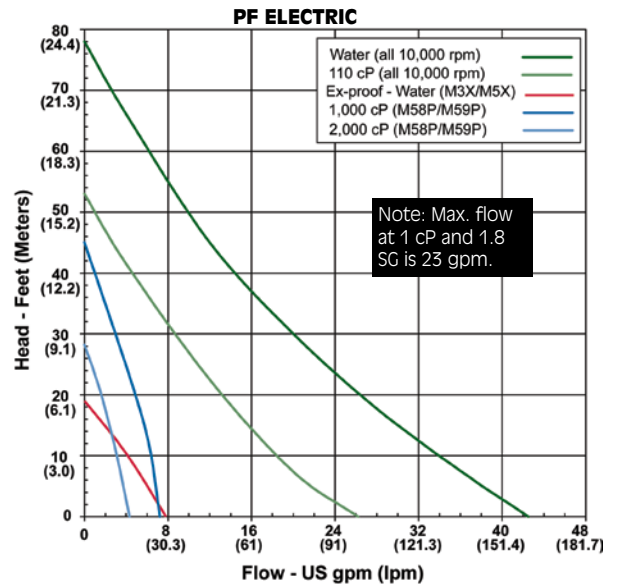
- Polypropylene, PVDF or 316SS tubes
- Unique double suction impeller
- Pump interchangeable with motors
- Up to 2000 cP with M58P and M59P 800w motors
- ATEX certified motors
- Dry run capability

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, FKM	
PFM*	Polypropylene		40	102				
PFV	PVDF		48	122				
PFS	SS		60	152				
			72	183				

Tefzel® fluoropolymer film is a registered trademark of E.I. du Pont de Nemours and Company.

*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.



M6X

M6

Air motorS. M6 shown with regulator valve, muffler. 80-100 psi at 25 cfm.

Model	Type	Certifications	Electrical Requirements	Power		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
M3V-UK	Universal - Variable Speed	CE	115VAC/50-60 Hz	4/5	650	3,500-10,000	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@25 cfm	1/2	370	300-9,000	330
M6X****	Non-Electric (Air)	CE/ATEX Ex II 5GDc +1CTa +40C	Air Requirements 80-100 psi@25 cfm	3/4	560	300-6,000	330

Note: When pumping flammables or combustibles, use explosion-proof 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 explosion-proof environment.

****An air motor is a non-electrical device which means the possibility of explosion from igniting flammables or combustibles is reduced. Maximum rpm capacity is not always recommended. Contact FTI for details.



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