



DRUM/BARREL PUMPS SF SERIES

Sealless, High Performance

Dual impeller options provides either high flow or high head with 40mm tube diameter for smaller bung openings.

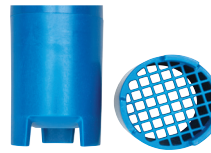
- Polypropylene (PP), Pure PVDF, Pure PP/PVDF
- Interchangeable with motors
- Integral strainer on high-flow versions
- Up to 1200 cP



Applications:

Acids, bases, water treatment chemicals, cleaners, plating solutions, kidney dialysis solutions, diesel exhaust fluid (DEF)/AdBlue

SFP/SFM
SFM-DEF



SFV
SFVV



CONSTRUCTION SPECIFICATIONS

Pump Model	Construction Materials		Tube Dia. in (cm)	Discharge Size & Type	Hose Size in (cm)	Max. Temp.		Min. Temp.		Tube Lengths (all models)
	Outer Tube	Internals				°F	°C	°F	°C	
SFM	PP	PP, 316SS, FKM, PTFE	1.6 (4.0)	1" (25mm) Hose Barb	1" (2.54 cm)	150	66	35	1.7	27" (69 cm) 40" (102 cm) 48" (122 cm) 54" (137 cm) 60" (152 cm) 72" (183 cm)
SFV	PURE PP/PVDF	PP, Alloy 625, FKM, ETFE, PTFE				150	66			
SFP	PP	PP, Alloy 625, FKM, PTFE				150	66			
SFVV ¹	PURE PVDF	PVDF, Alloy 625, FKM, ETFE, PTFE				140	60			
SFM-DEF	PP	PP, 316SS, EPDM, PTFE	3/4" (19mm)	3/4" (19mm)	175	79				

¹SFVV-72: 35°F (1.7°C) Minimum Temperature, 115°F (46°C) Maximum Temperature.

PERFORMANCE DATA

High Flow Imp.

Maximum Flow**		Maximum Head**		Maximum Specific Gravity		Maximum Viscosity	
Electric gpm (lpm)	Air gpm (lpm)	Electric ft (m)	Air ft (m)	Electric	Air	Electric	Air
37 (140)	31 (117)	50 (15)	32 (10)	1.84	2.0	1,000 cP	1,200 cP

High Head Imp.

Maximum Flow**		Maximum Head**		Maximum Specific Gravity		Maximum Viscosity	
Electric gpm (lpm)	Air gpm (lpm)	Electric ft (m)	Air ft (m)	Electric	Air	Electric	Air
24 (91)	20 (76)	83 (25)	62 (19)	2.0	2.0	1,200 cP	1,200 cP

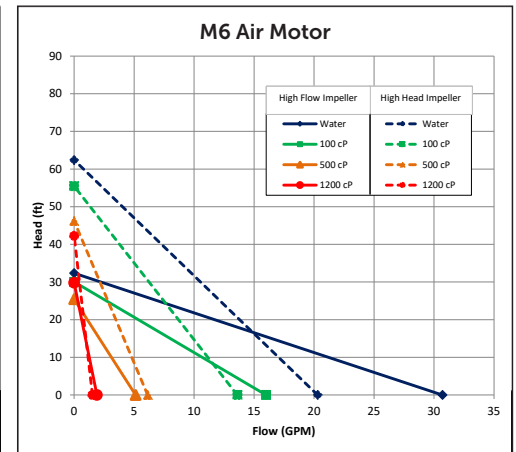
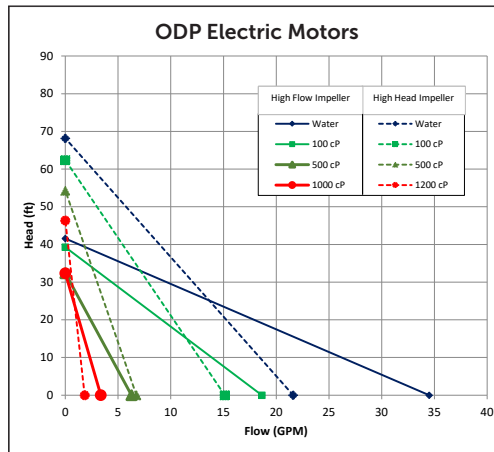
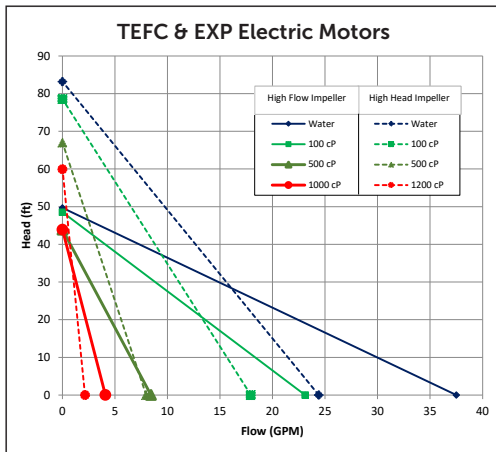
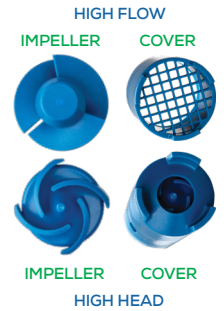
**All testing performed with water at 68° F (20° C) in a full container. Actual performance may vary by +/- 10%. Actual performance will decrease with increased fluid viscosity and specific gravity.

VISCOSITY DATA

Viscosity (cP)	100	500	1000	1,200
Max Flow gpm (lpm)	23 (87)	8 (30)	4 (15)	2 (8)
Max Head feet (meter)	48 (15)	44 (13)	44 (13)	37 (11)

Note: Electric motors up to 1,000 cP.
Air Motors up to 1,200 cP

IMPELLERS



DRUM/BARREL PUMPS

MOTOR DATA



ODP
(M3V, M5V, M5V-US, M3V-UK)



TEFC
(M3T, M5T, M3TV, M5TV)



Ex-Proof
(M3XV, M5XV)



Air
(M6)

Model	Description	Certification	Electrical Requirements	Input	Output	RPM	High Flow Maximum Viscosity cP	High Head Maximum Viscosity cP
				W	W			

ODP (Open Drip Proof), Splashproof, IP24 Motors

M3V	Quick connects to pump without tools. DOWNDRAFT cooling system and double wall housing. Continuous duty, variable speed. 12 ft. (3.5 m) cord with integral circuit breaker.	QPS	115VAC/50-60 Hz	650	400	3,500-10,000	1000	1200
M5V		CE	230VAC/50-60 Hz	650	400	3,500-10,000	1000	1200
M5V-US*		CE	230VAC/50-60 Hz	650	400	3,500-10,000	1000	1200
M3V-UK		CE	115VAC/50-60 Hz	650	400	3,500-10,000	1000	1200

TEFC (Totally Enclosed Fan Cooled), IP55 Motors

M3T	Continuous duty. 12 ft. (3.5 m) cord with plug, downdraft cooling and quick connection to pump without tools. "T" versions feature manual reset. TV versions feature variable speed, solid state overload protection, zero voltage release.	QPS	115VAC/60 Hz	1000	680	12,000	800	1200
M3TV		QPS	115VAC/60 Hz	1000	680	0-12,000	1,000	1200
M5T		CE	230VAC/50-60 Hz	1000	680	12,000	800	1200
M5TV		CE	230VAC/50-60 Hz	1000	680	0-12,000	1,000	1200

Explosion Proof Motors

M3XV	Continuous duty, IP55. 12 ft. (3.5 m) cord without plug, downdraft cooling and quick connection to pump without tools. Variable speed, solid state overload protection, zero voltage release.	QPS	115VAC/60 Hz	1000	680	0-12,000	1,000	1200
M5XV		CE	230VAC/50-60 Hz	1000	680	0-12,000	1,000	1200
M5XV-HT		CE	230VAC/50-60 Hz	1000	680	0-12,000	1000	1200

Air Motor**

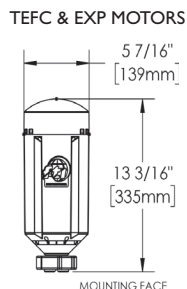
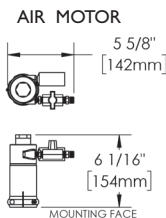
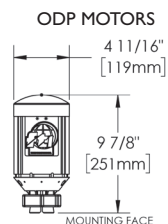
M6	Lightweight. Operates from customer-supplied compressed air source. Variable speed. Muffler and control valve.	CE	80-100 psi @ 15-32 cfm	-	400	300-9,000	1200	1200
----	--	----	------------------------	---	-----	-----------	------	------

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

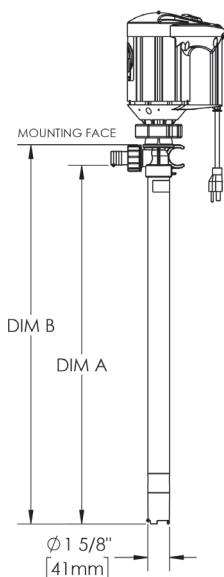
**An air motor is a non-electrical device meaning possibility of explosion from igniting flammables/combustibles is reduced. Air motor performance will depend upon user's system setup.

Note: SF Series pumps with plastic outer tubes are not suitable for pumping flammables/combustibles

DIMENSIONS



MODEL	DIM 'A' (IN.)	DIM 'B' (IN.)	DIM 'A' (MM)	DIM 'B' (MM)
SF-27	27	29	685.8	737
SF-40	40	42	1016	1067
SF-48	48	50	1219.2	1270
SF-60	60	62	1524	1575
SF-72	72	74	1828.8	1880



ACCESSORIES

Nozzles



Wall Mount Bracket



Discharge Spouts



Use the handy online Pump Selector at www.finishthompson.com for help choosing a pump.



FINISH THOMPSON INC. - HEADQUARTERS

921 Greengarden Road | Erie, PA 16501
800.934.9384 | ph 814.455.4478 | fx 814.455.8518
email fti@finishthompson.com

FINISH THOMPSON INC. - EUROPE CENTER

Otto-Hahn-Strasse 16 | Maintal, D-63477 Germany
49 (0)6181-90878-0 | fx 49 (0)6181-90878-18
email fti@finishthompson.com