



DRUM/BARREL PUMPS SF SERIES - ATEX

Sealless, High Performance

Dual impeller options provides either high flow or high head (-H) with 41mm tube diameter for smaller bung openings.

- 316SS tubes
- Interchangeable with motors
- Integral strainer on high-flow versions
- Up to 1200 cP
- ATEX Certifications:
 - ⊕ II 1/2G Ex h IIB T5...T4 Ga/Gb, (104°F (40°C)) Max Ambient Air
 - HT models: ⊕ II 1/2G Ex h IIB T4...T3 Ga/Gb
 - 20°C ≤ T_{amb} ≤ 60°C, (140°F (60°C)) Max Ambient Air



Applications:

Acetone, alcohol, toluene, xylene, mineral spirits, diesel fuel, kerosene, gasoline, etc.



CONSTRUCTION SPECIFICATIONS

Pump Model	Standard Construction Materials	Elastomers	Tube Dia.	Discharge	Hose Size	Max. Temp.	Min. Temp.	Tube Lengths (all models)
				Size & Type				
SFS-ATEX (HIGH FLOW)	316SS, PTFE & ETFE	FKM (Std), FFKM, FDA-FFKM & FDA-Buna	1.6" (41mm)	1" (DN25, 25mm) Hose Barb-Std, 1" MNPT, 1" MBSPP & 1" Tri-Clamp-Opt	1" (25 mm)	212°F (100 °C)	5°F (-15 °C)	27" (69 cm)
SFS-H-ATEX (HIGH HEAD)								40" (102 cm)
SFS-ATEX-HT (HIGH FLOW & HIGH TEMP)								48" (122 cm)
SFS-H-ATEX-HT (HIGH HEAD & HIGH TEMP)								54" (137 cm) 60" (152 cm) 72" (183 cm)

PERFORMANCE DATA - Standard High Flow Impeller Models

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

PERFORMANCE DATA - (-H) High Head Impeller Models

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.

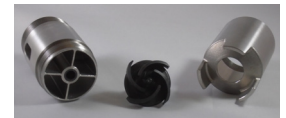
VISCOSITY DATA

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)

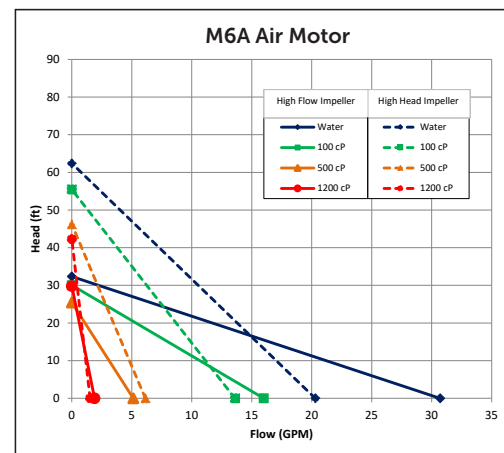
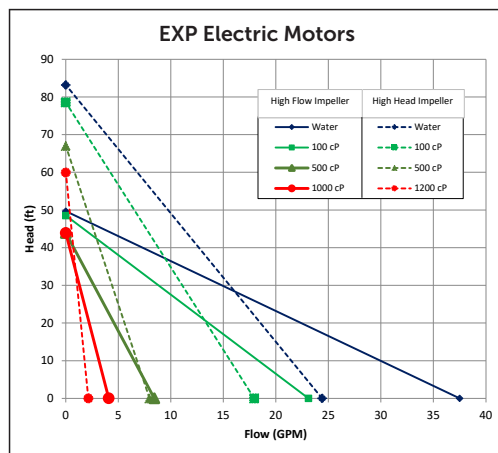
Note: Electric motors up to 1,000 cP.
Air Motors up to 1,200 cP

IMPELLERS

HIGH FLOW - STANDARD
DIFFUSER IMPELLER COVER



HIGH HEAD (-H) - OPTIONAL
DIFFUSER IMPELLER COVER



DRUM/BARREL PUMPS

MOTOR DATA



Ex-Proof
(M3XV, M5XV)



Air
(M6A)

ATEX DRUM ADAPTER

- Conductive Carbon Filled Polypropylene construction
- Features threads on both ends in NPS /BSPP & Buttress



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

Explosion Proof Motors

M5XV+	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.	CE/ATEX/IECEx Ex II 2G Ex db ib IIB T5 Gb	230VAC/50-60 Hz	1000	680	0-12,000	1000	1200
M5XV-HT+	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.	CE/ATEX/IECEx Ex II 2G Ex db ib IIB T4 Gb -20°C ≤ T _{amb} ≤ 60°C	230VAC/50-60 Hz	1000	680	0-12,000	1000	1200

Air Motor**

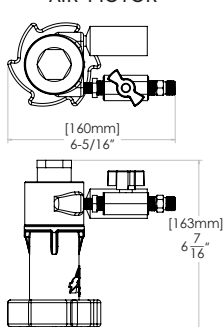
M6A	Lightweight. Operates from customer-supplied compressed air source. Variable speed. Muffler and control valve.	CE/ATEX II 2G Ex h IIC T4 Gb II 2D Ex h IIIC T135°C Db +1°C ≤ T _{amb} ≤ 40°C	80-100 psi @ 15-32 cfm	-	400	300-9,000	1200	1200
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**An air 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.

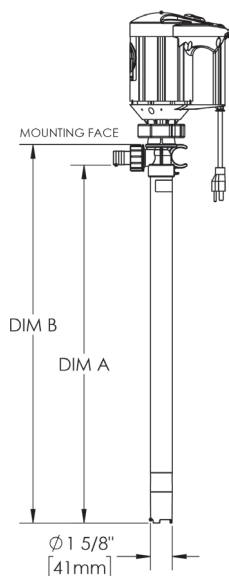
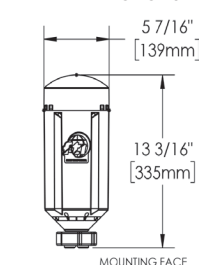
+Above ATEX motors are not for use in North America

DIMENSIONS

AIR MOTOR

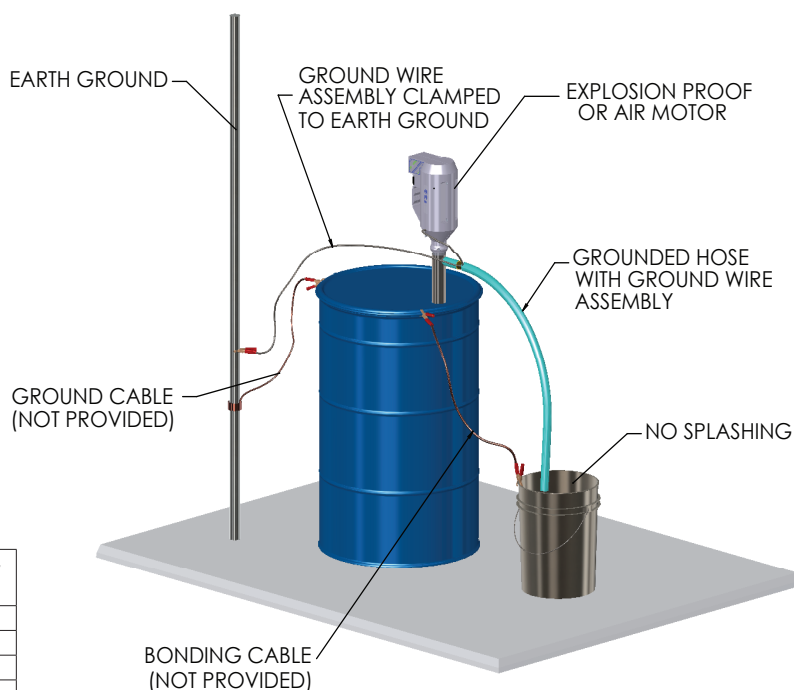


EXP MOTORS



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-54	54	56	1372	1422
SF-60	60	62	1524	1575
SF-72	72	74	1828.8	1880

Typical Grounding Example



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