



DRUM/BARREL PUMPS PF SERIES

ATEX Certified High Performance Drum Pump

Sealless drum pump with unique double suction impeller certified for container-to-container transfer of flammables or combustibles.

- 316 stainless steel tube
- Explosion proof electric or air motors
- FKM or Perlast® (perfluoroelastomer/FFKM) o-rings
- Threaded or hose barb discharge connections
- 1.2 m grounded hose with grounded wire assembly
- ATEX Certifications:
 - II 1/2G Ex h IIB T5...T4 Ga/Gb
 - HT models: • II 1/2G Ex h IIB T4...T3 Ga/Gb
 - 20°C ≤ T_{amb} ≤ 60°C



Applications:

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

Construction Specifications

Pump Model	Construction Materials	Tube Diameter	Discharge	Hose Size	Maximum Temperature		Minimum Temperature		Tube Lengths
		in (cm)	Size & Type	in (cm)	°F	°C	°F	°C	
PFS-A	316SS, Perlast, PTFE, ETFE	2 (5.1)	1" Hose Barb	1 (2.54)	220	105	5	-15	27" (69 cm), 40" (102 cm), 48" (122 cm), 60" (152 cm), 72" (183 cm)
PFS-A-FKM	316SS, ETFE, FKM								

Perlast® is a registered trademark of Precision Polymer Engineering Limited.

Performance Data

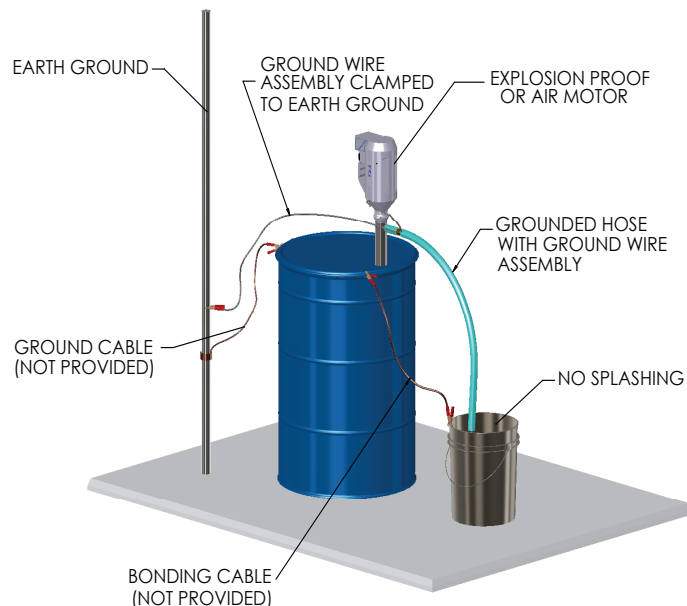
Maximum Flow*		Maximum Head		Maximum Specific Gravity	Maximum Viscosity	
Electric gpm (lpm)	Air gpm (lpm)	Electric ft (m)	Air ft (m)		Electric	Air
40 (151)	22 (83)	80 (24)	38 (11.6)	1.8	2000 cP	330 cP

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



*Static sparking can cause an explosion. Always follow NFPA 77 and CLC/TR 60079-32-1 guidelines for control of static electricity and proper grounding methods when using ATEX and Hazardous Location motor models.

Explosion-proof Installation



DRUM/BARREL PUMPS

MOTOR DATA



Ex-Proof
(M5XV)



Air
(M6A, M6XA)

Model	Description	Certification	Electrical Requirements	Input	Output	RPM	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 d ib IIB T5 Gb	230VAC/50-60 Hz	1000	680	0-12,000	2000
M5XV-HT		CE/ATEX Ex db ib IIB T4 Gb $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 60^{\circ}\text{C}$	230VAC/50-60Hz	1000	680	0-12,000	2000

Air Motors

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 $+1^{\circ}\text{C} \leq T_{\text{amb}} \leq 40^{\circ}\text{C}$	80-100 psi @ 15-32 cfm	-	400	300-9,000	330
M6XA		CE/ATEX II 2G Ex h IIC T4 Gc II 2D Ex h IIIC T135°C Dc $+1^{\circ}\text{C} \leq T_{\text{amb}} \leq 40^{\circ}\text{C}$	80-100 psi @ 15-32 cfm	-	600	300-6,000	330

STATIC PROTECTION KIT



Description	Non-Wetted Materials	Hose ID	Hose OD	Fitting Size	Fitting Type
Synthetic rubber cross-linked polyethylene (XLPE) with brass hose fittings and grounding wire	Synthetic rubber with imbedded grounding wire	1" (25.4 mm)	1.47" (37.3 mm)	1" (25.4 mm)	NPT or Barb

NOTE: ATEX compliance requires use of a Static Protection Kit.