

ATEX APPROVED

Drum / Barrel Pumps

Flammable and Combustible Liquids



High performance, sealless drum/barrel pumps designed for container-to-container transfer of flammables or combustibles such as acetone, alcohol, toluene, xylene, mineral spirits, kerosene and diesel fuel, etc.

Features

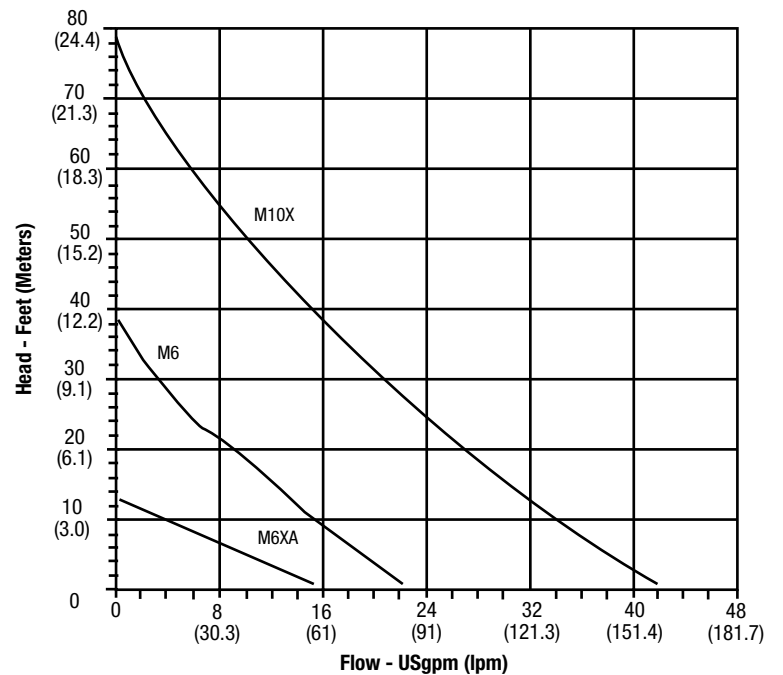
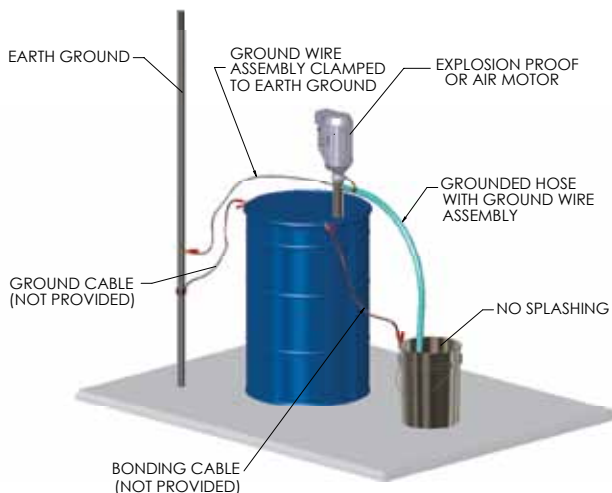
- 316SS pump tubes
- Explosion proof electric or air motors
- Sealless design with Perlast® (Perfluoroelastomer FFKM) o-rings
- Threaded or hose barb discharge hose connections
- Unique double suction impeller
- 1.2 m grounded hose with ground wire assembly

Performance

- 1.8 SG
- Viscosity to 500 cP electric, 330 cP air
- Maximum temperature: PFS - 219°F (104°C)

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

Explosion-proof Installation



NOTE: Factory supplied discharge hose restricts flow to 27 lpm (7 gpm) to reduce accumulation of static charge.

Pump Tube Specifications

Model	Certification	Tube Material	Tube Diameter	Tube Length inches (cm)	Seal	Shaft	Internals	Hose Size
PFS	FTZU 04 ATEX 0293X	316SS	2" (5.1 cm)	27 (69) 40 (102) 48 (122) 60 (152) 72 (183)	Sealless	316SS	316SS PTFE Tefzel® Perlast®	1"



Motor Specifications



Model	Type	Certifications	Electrical Requirements	Air Required	Input	RPM	Viscosity cP
M10X	Exp - Class 1, Division 1, Group D	ExII 2G Ex d IIA T4	230V/50-60Hz/1 phase		640 W	10,000	500
M6A	Air Motor	Ex II 2GDc + 1°C _{Ta} +40C		up to 5.6 bar @12.5 l/s	370 W	300-6,000	330
M6XA	Air Motor	Ex II 2GDc + 1°C _{Ta} +40C		up to 7 bar @ 12.5 l/s	560 W	300-3,000	330

Static Protection Kit Specifications

Model P/N	Wetted Materials	Non-wetted Materials	Hose ID/OD	Fitting Type
A101521	Synthetic rubber cross-linked polyethylene (XLPE) and brass hose fittings	Synthetic rubber with imbedded grounding wire	25.4 mm (1") ID 37.3 mm (1.47") OD	1" NPT
A100835				1" Barb



ATEX PUMP KITS

Kits with M6A Air Motors	
Part Number	Description
DPFS057	PFS27 Perlast w/M6A, SPK w/hose barb Kit
DPFS058	PFS27 Perlast w/M6A, SPK w/NPT barb kit
DPFS044	PFS40 Perlast w/M6A, SPK w/hose barb kit
DPFS045	PFS40 Perlast w/M6A, SPK w/NPTbarb kit
DPFS048	PFS48 Perlast w/M6A, SPK w/hose barb kit
DPFS049	PFS48 Perlast w/M6A, SPK w/NPT barb kit
DPFS064	PFS60 Perlast w/M6A, SPK w/hose barb kit
DPFS065	PFS60 Perlast w/M6A, SPK w/NPT barb kit
DPFS069	PFS72 Perlast w/M6A, SPK w/hose barb kit
DPFS070	PFS72 Perlast w/M6A, SPK w/NPT barb kit
Kits with M6X Air Motors	
DPFS042	PFS27 Perlast w/M6XA, SPK w/hose barb kit
DPFS059	PFS27 Perlast w/M6XA, SPK w/NPT barb kit
DPFS060	PFS40 Perlast w/M6XA, SPK w/hose barb kit
DPFS062	PFS40 Perlast w/M6XA, SPK w/NPT barb kit
DPFS050	PFS48 Perlast w/M6XA, SPK w/hose barb kit

Kits with M6X Air Motors (continued)	
Part Number	Description
DPFS063	PFS48 Perlast w/M6XA, SPK w/NPT barb kit
DPFS067	PFS60 Perlast w/M6XA, SPK w/hose barb kit
DPFS068	PFS60 Perlast w/M6XA, SPK w/NPT barb kit
DPFS071	PFS72 Perlast w/M6XA, SPK w/hose barb kit
DPFS072	PFS72 Perlast w/M6XA, SPK w/NPT barb kit
Kits with M10X Electric Motors	
DPFS040	PFS27 Perlast w/M10X, SPK w/hose barb kit
DPFS052	PFS27 Perlast w/M10X, SPK w/NPT barb kit
DPFS041	PFS40 Perlast w/M10X, SPK w/hose barb kit
DPFS053	PFS40 Perlast w/M10X, SPK w/NPT barb kit
DPFS043	PFS48 Perlast w/M10X, SPK w/hose barb kit
DPFS054	PFS48 Perlast w/M10X, SPK w/NPT barb kit
DPFS046	PFS60 Perlast w/M10X, SPK w/hose barb kit
DPFS055	PFS60 Perlast w/M10X, SPK w/NPT barb kit
DPFS047	PFS72 Perlast w/M10X, SPK w/hose barb kit
DPFS056	PFS72 Perlast w/M10X, SPK w/NPT barb kit

ATEX Tubes Only	
DPFS035	27" ATEX PFS
DPFS036	40" ATEX PFS
DPFS037	48" ATEX PFS
DPFS038	60" ATEX PFS
DPFS039	72" ATEX PFS

ATEX Motors Only	
A100007-1	M6A ATEX air motor
A101125-1	M6XA ATEX air motor
A101495	M10X ATEX electric motor - 230V, 1 Ph

Static Protection Kits Only	
A101521	Static Protection Kit w/ NPT (threaded) barb
A100835	Static Protection Kit w/ hose barb

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



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