



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
- Perlast® (perfluoroelastomer/FFKM) o-rings
- Threaded or hose barb discharge connections
- 1.2 m grounded hose with grounded wire assembly
- ATEX Ex II 2G Ex d ib IIB T5 Gb certified



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 | in (cm) |
| PFS | 316SS, Perlast, 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) |

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

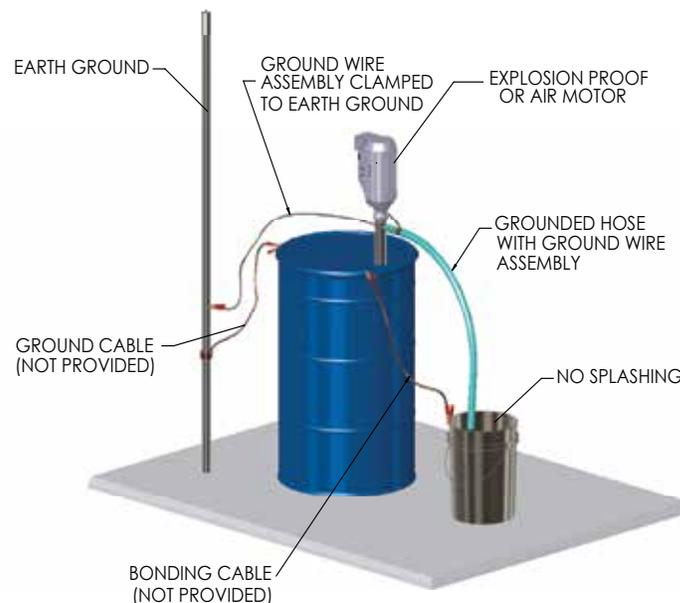
Performance Data

| Maximum Flow | | Maximum Head | | Maximum Specific Gravity | Maximum Viscosity | |
|-----------------------|------------------|--------------------|---------------|--------------------------|-------------------|--------|
| Electric gpm (lpm) | Air gpm (lpm) | Electric ft (m) | Air ft (m) | | Electric | Air |
| 7 (26) | 7 (26) | 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.



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 Ex II 2G Ex d ib IIB T5 Gb | 230VAC/50-60 Hz | 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 Ex II 2 GDc T4+1CTa+40C | 80-100 psi @ 15-32 cfm | - | 400 | 300-9,000 | 330 |
| M6XA | | | 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.



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