

MOTOR DRIVEN DRUM PUMPS

With Corrosion-Resistant Construction



FPUD300 Series



- ✓ **Rugged Industrial Construction**
- ✓ **Wide Variety of Available Motors**
- ✓ **Pump Tubes and Motors Supplied Separately for Maximum Flexibility**
- ✓ **Corrosion-Resistant Polypropylene or 316SS Materials**
- ✓ **Sealless Pump Tubes for Leak-Proof Operation**

OMEGA's FPUD300 Series drum pumps can empty a wide variety of containers in various applications. Motor types available are single-phase, 115 or 230 Vac, 50/60 Hz, continuous duty; and air driven.

Note: Only the FMXD11-AM air motor is intended for pumping flammable or combustible materials.

** For CE certified models, see order chart on next page.

Both the FPUD311 and FPUD321 electric motors are open drip-proof (ODP), while the FPUD362 is a totally enclosed fan-cooled (TEFC) motor.

All three AC motors are thermal-overload protected with a manual reset, and all three include internal cooling fan, built-in on/off switch, and three-wire cord.

The air operated unit has a 1/4 MNPT fitting for hooking up to a customer-supplied air hose, and includes a flow-regulating valve and muffler. An optional air lubricator/filter assembly is also available.

When pumping flammable or combustible materials, or for work in explosive environments use the FMXD11-AM air motor with a stainless steel tube.

CAUTION: DO NOT USE THE FMXD11-AM AIR MOTOR WITHOUT THE FPUD34-SK STATIC PROTECTION KIT

FPUD3-P Series tubes include a variable orifice on the outlet to limit flows to 10, 20, 30, or 40 GPM. Refer to the performance curve graphs on next page for flow rate vs. discharge head data, and flow rate vs time for the rechargeable battery model. All FPUD3 Series pump tubes are sealless to insure leakproof operation.

SPECIFICATIONS

Pump Tube Wetted Parts:

FPUD3-P: Polypropylene, Inconel, and PTFE

FPUD3-S: 316SS, PTFE, and Halar

Pump Tube Operating Temperature:

Polypropylene: 71.1°C (160°F);

316SS: 104°C (220°F)

Electric and Air Motors

Pump Capability: 40 gpm, 24 m (80')

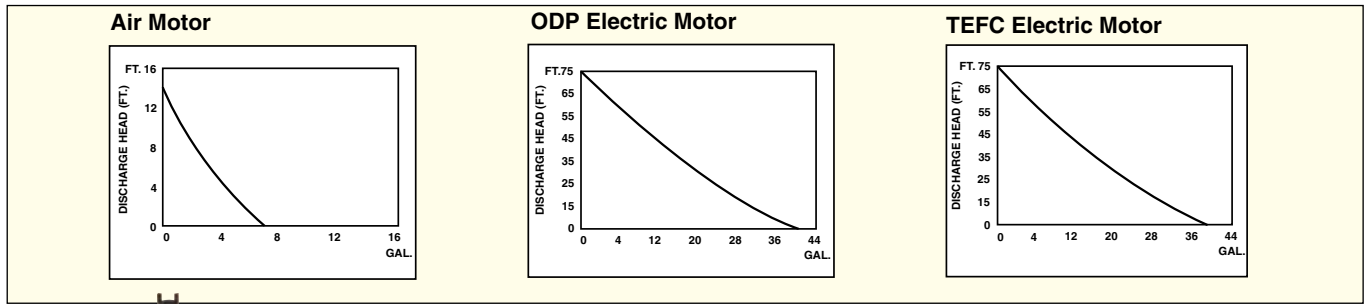
TDH, 30-minute run-dry; air 30 gpm,

18 m (60') HD

Pump Capability: 9 gpm, 4' TDH

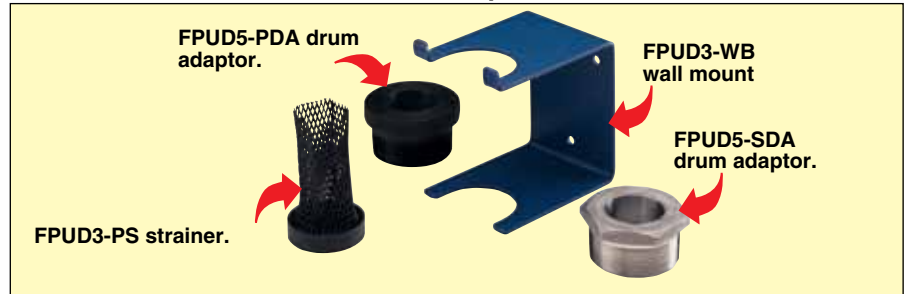
Maximum Fluid Viscosity: 100 cps, 1.6 specific gravity

Performance Curves



FPUD3-P27 polypro pump tube, from (far left). FPUD3-S27 316 SS pump tube, from (left). Shown smaller than actual size.

Accessories for FPUD300 Series Pump Tubes



Pump Motors

To Order							
Model No.	HP	RPM	Power	Phase	Hz	Type	Wt kg (lb)
FPUD311-A	1/2	*	115 Vac	1	50/60	ODP/IP24	3.6 (8)
FPUD321-A**	1/2	10,000	230 Vac	1	50/60		3.6 (8)
FPUD362	1/2	10,000	115 Vac	1	50/60	TEFC	6.4 (14)
FMXD11-AM**	3/4	3000	Air 100 psig @ 25 cfm	N/A	N/A	Air	3.2 (7)

* Variable speed 3500 to 10,000 RPM.
**CE certified

Accessories for Pump Motors

Model No.	Description
FPUD345-FL	Filter-lubricator assembly for FPUD331
FPUD34-SK	Static protection kit for FPUD331

Pump Tubes

Model No.	Tube Outlet Connection	Shipping Length m (ft)	Weight kg (lb)
Polypro (2" OD)			
FPUD3-P27	Both 1" ID Hose and 1 1/4 MNPT	0.7 (2.25)	2.3 (5)
FPUD3-P40		1.0 (3.33)	2.3 (5)
FPUD3-P48		1.2 (4)	3.2 (7)
316SS (2" OD)			
FPUD3-S27	1" ID Hose Only	0.7 (2.25)	4.5 (10)
FPUD3-S40		1.0 (3.33)	5.5 (12)
FPUD3-S48		1.2 (4)	7.7 (17)

Accessories for Pump Tubes

Model No.	Description
FPUD5-SDA	316 SS drum adaptor with 2" IPS thread
FPUD5-PDA	Polypropylene drum adaptor with 2" IPS thread
FPUD3-WB	Wall mount bracket (grips tube)
FPUD3-PS	Polypropylene inlet strainer for FPUD3-P series ONLY

Comes complete with operator's manual. AC pump motors include integral power cords. Power cords for 115 Vac models include grounded wall plugs

Ordering Examples: FPUD362, 115 Vac TEFC powered pump motor and, FPUD3-S40, 316 stainless steel pump tube.

FPUD311-A, 115 Vac motor and FPUD3-P27, 2" OD polypropylene tube.



FPUD34-SK static protection kit shown with FPUD3-S27 pump tube.