

# MEDIUM VISCOSITY DRUM PUMPS

**FPUD4  
Pump Tubes**

**FPUD400  
Pump Motors**



- ✓ Pump Tube and Motor Supplied Separately for Maximum Flexibility
- ✓ CPVC, 316 SS or Sanitary Polished 316 SS Pump Tubes
- ✓ TEFC or Air Driven Motors
- ✓ For Fluids up to 2000 cps Viscosity and 1.8 Specific Gravity

Shown smaller than actual size.



FMXD11-AM, air motor.



FPUD411, 115 Vac motor

The OMEGA® FPUD400 Series drum pumps can empty a wide variety of containers in various applications. The pump tube and motor are supplied separately in modular construction for maximum flexibility.

Available motor types are 115 or 230 Vac powered, continuous duty, totally-enclosed, fan-cooled (TEFC) motors; and air driven motors.

All Vac powered units include 3.6 m (12'), three-wire cord, built-in ON/OFF switch; and circuit breaker with manual reset. The FPUD411 includes a wall plug.

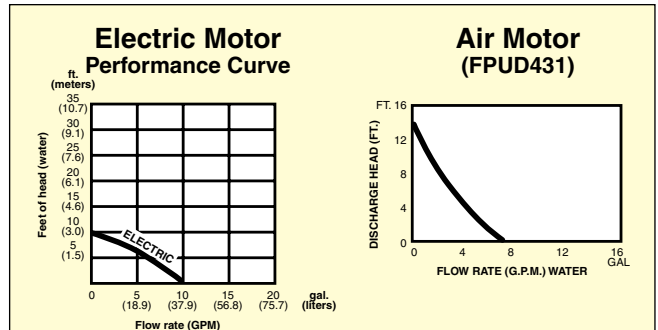
The FPUD431 air motor has a 1/4" female NPT fitting for hooking up to a customer-supplied air hose, and includes a flow-regulating valve and muffler. An optional air lubricator/filter assembly is also available when your air source is not filtered and lubricated.

When pumping flammable or combustible materials, or in explosive environments, use an air motor with a stainless steel tube and the FPUD34-SK static protection kit to avoid sparks produced by static electricity discharge.

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

**CAUTION: DO NOT USE THE FPUD431 AIR MOTOR WITHOUT THE FPUD34-SK STATIC PROTECTION KIT**

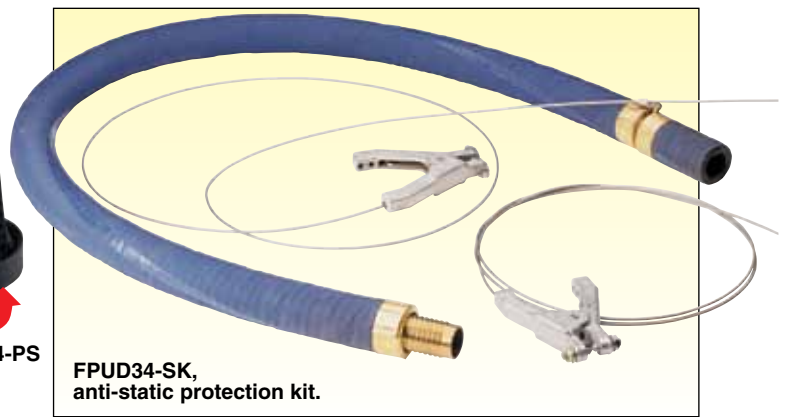
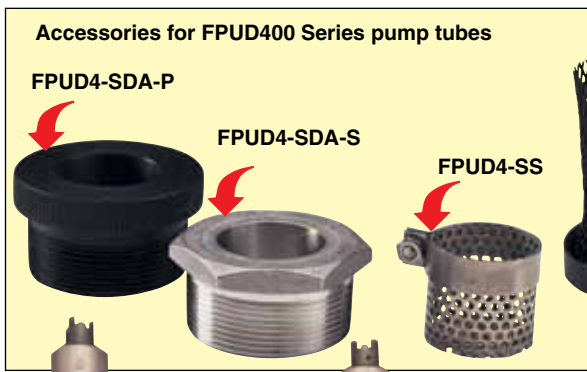
## Performance Curves



The FPUD4-SNT40 sanitary pump tube features a polished 316 SS tube and shaft, a graphite-filled seal, and pure PTFE internals. It has an ACME sanitary nut connection so the tube can be easily removed for cleaning.

FPUD4 Series pump tubes are rated up to 65°C (150°F) (SS and sanitary tubes), or 82°C (180°F) (CPVC tubes), 2,000 cps viscosity (2000 cps air motor; 400 cps electric motor) and 1.8 specific gravity. All tube assemblies have graphite-PTFE seals with PTFE internals, and feature 25 mm (1") ID hose connection on the outlet.

Refer to performance graphs for flow rate vs. discharge head data.



FPUD4-SNT40, sanitary pump tube

FPUD4-C40, CPVC pump tube

FPUD4-S40, 316 SS pump tube

All shown smaller than actual size.

### Pump Motor

#### To Order

Model No.	HP	RPM	Power	Phase	Hz	Wt. Type	kg (lb)
FPUD411	1/4	3450	115 Vac	1	50/60	TEFC	8.1 (18)
FPUD421*	1/4	3450	230 Vac	1	50/60	IP54	8.1 (18)
FPUD431*	1/2	6000	Air 80 psi @ 25 cfm	N/A	N/A	Air	1.8 (4)

\* CE certified.

### Accessories for Pump Motor

Model No.	Description
FPUD345-FL	Filter-lubricator assembly for FPUD431
FPUD34-SK	Anti-static kit for FPUD431

### Pump Tube

Model No.	Maximum Flow GPM	Maximum Head Ft.	Tube OD	Tube Length m (ft)	Shipping Weight kg (lb)
<b>CPVC with Inconel Shaft</b>					
FPUD4-C27	17	32	1 5/8"	0.7 (2.25)	2.7 (6)
FPUD4-C40	17	32	1 5/8"	1.0 (3.33)	3.15 (7)
FPUD4-C48	17	32	1 5/8"	1.2 (4.0)	3.6 (8)
<b>316 SS With 316 SS Shaft</b>					
FPUD4-S27	17	32	1 1/2"	0.7 (2.25)	3.6 (8)
FPUD4-S40	17	32	1 1/2"	1.0 (3.33)	4.1 (9)
FPUD4-S48	17	32	1 1/2"	1.2 (4.0)	5.0 (11)
<b>Sanitary Polished 316 SS</b>					
FPUD4-SNT40	17	32	1 1/2"	0.9 (3.0)	5.9 (13)

### Accessories for Pump Tubes

Model No.	Description
FPUD4-SDA-P	50.82 mm (2") IPS polypro drum adaptor for FPUD4-S Series
FPUD4-SDA-S	50.82 mm (2") IPS 316 stainless steel drum adaptor
FPUD4-SDA-GS	50.82 mm (2") IPS galvanized steel drum adaptor for FPUD4-S Series
FPUD4-PS	PVC/Polypro inlet strainer for CPVC tube
FPUD4-SS	316 SS inlet strainer for SS tubes

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:** FPUD411, 115 Vac motor and, FPUD4-S40 316 SS pump tube.

FPUD431, 80 psi air motor, FPUD34-SK, anti-static kit and FPUD4-C40 CPVC 1 5/8" pump tube.