

# TRODEXFLEX® OEM STYLE PERISTALTIC PUMP KITS



## FPU400 Series



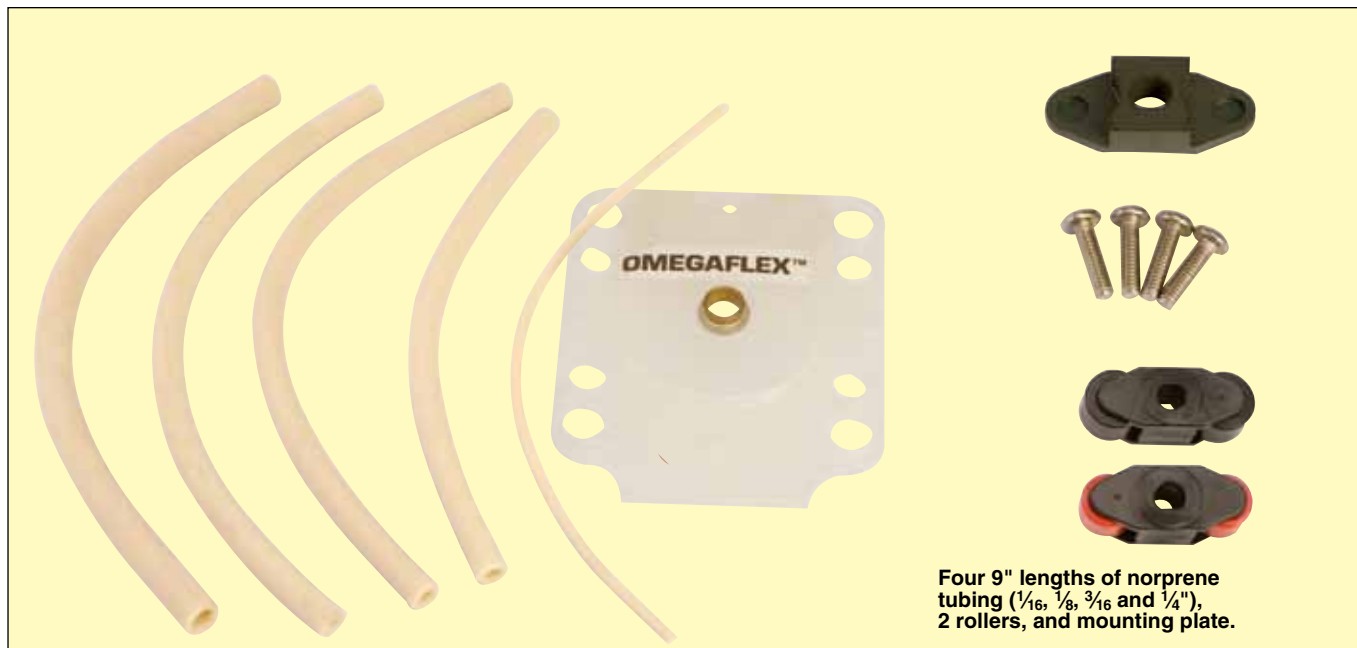
- ✓ Suitable for Fluids Carrying Small Particles
- ✓ Easy to Maintain
- ✓ Mounting Panel Standard

FPU400 Series peristaltic pumps offer simplicity at a reduced cost. The motor turns the rollers, which squeeze fluid through the precision-bore high-tolerance tubing in a wavelike motion, acting like a positive displacement pump. The fluid doesn't touch the pump; it only comes into contact with the tubing. This makes the pump suitable for fluids carrying small particles. FPU400 pumps continuously overocclude the tubing, which makes the pump self-priming and non-siphoning. They are easy to maintain, with few moving parts and no seals or valves to clog, clean, or replace. As one section of tube fatigues, just move the tubing to a section that hasn't been under the rollers and continue pumping. Or simply replace the supplied tubing.

The replacement 230 mm (9") lengths of precision-bore tubing ensure repeatable pumping rates time after time. The pumps are supplied with tubing for hooking up system tubing (connectors sold separately). The replacement 230 mm (9") lengths of tubing come without connectors. The pumps are supplied standard with a mounting panel. Maximum backpressure is 15 psi without derating (up to 25 psi @ 75% of maximum flow). Maximum suction head is 8.5 m (28'). Flow rate repeatability from one pump to the next or when replacing tubing is within 8% of maximum flow rate listed. Shipping weight is 1.6 kg (3.5 lb) for all sizes. These pumps are ideal for metering/dosing, repetitive dispensing, and general liquid/gas transfer, and they have a 100% duty cycle for continuous operation.

### SPECIFICATIONS (FPU400)

**Mounting Plate:** 94 L x 130 W x 109 mm D (3.74 x 5.12 x 4.28"); 5.6 mm (0.22") diameter holes are centered 76 x 110 mm (3.0 x 4.34") on the plate. For units with rear fan; 130 L x 130 W x 135 mm D (5.11 x 5.12 x 5.28") overall  
**Shipping Weight:** 1.6 kg (3.5 lb)  
**Ambient Temp Range:** 20 to 30°C (68 to 86°F)  
**Maximum Liquid Viscosity:** 8500 cp



### Replacement 230 mm (9") Tubing Lengths

Model No.	Description (ID x OD)
FPU116-S	1/16 x 1/8" silicone tubing*
FPU18-N	1/8 x 3/8" Norprene tubing
FPU18-S	1/8 x 3/8" silicone tubing
FPU316-N	3/16 x 3/8" Norprene tubing
FPU316-S	3/16 x 3/8" silicone tubing
FPU14-N	1/4 x 7/16" Norprene tubing
FPU14-S	1/4 x 7/16" silicone tubing

\* Tubes are supplied inserted into 3/16 x 3/8" tubes. Connection is made to the 1/16 x 1/8" internal tubing. Brushless 115 Vac, 60 Hz induction motors; flow rates based on pumping water.

To Order										
Model No	RPM	Amperage (115 Vac)	1/16" ID Tube		1/8" ID Tube		3/16" ID Tube		1/4" ID Tube	
			ml/min	GPM	ml/min	GPM	ml/min	GPM	ml/min	GPM
FPU401	14	0.37	3	0.0008	12	0.0032	28	0.007	48	0.013
FPU402	23	0.42	5	0.0013	19	0.0050	46	0.012	81	0.021
FPU403	28	0.75	6	0.0016	24	0.0063	56	0.015	98	0.026
FPU404	36	0.90	8	0.0021	30	0.0079	72	0.019	126	0.033
FPU405	49	1.00	10	0.0026	41	0.011	98	0.026	172	0.045
FPU406	58	1.20	12	0.0032	49	0.013	116	0.031	208	0.055
FPU407	75	1.50	16	0.0042	63	0.017	150	0.040	263	0.069
FPU408	108	1.90	23	0.0061	91	0.024	216	0.057	378	0.100
FPU409	129	2.20	27	0.0071	108	0.029	258	0.068	452	0.119
FPU410	172	2.20	36	0.0095	144	0.038	344	0.091	602	0.159
FPU411	203	2.20	43	0.0114	170	0.045	406	0.107	711	0.188
FPU412	282	2.20	60	0.0159	237	0.063	564	0.149	987	0.261

FPU400 Series comes complete with four 230 mm (9") lengths of Norprene tubing (1/16, 1/8, 3/16, and 1/4"), 2 rollers, mounting plate, and operator's manual. Tubing union fittings sold separately.

Ordering Examples: FPU401, 23 rpm pump kit.