

VARIABLE SPEED AND FIXED TIMER PERISTALTIC PUMPS

FPU2000 Series
Starts at
\$475



FPUDVS2003, \$949,
shown smaller
than actual size.

- ✓ Peristaltic Pump Tube Does Not Require Valves
- ✓ Self Priming
- ✓ High Outlet Pressure Capability of 100 psig on Most Models
- ✓ Acceptable for Indoor Use
- ✓ Corrosion Proof Valox Housing
- ✓ Tamper Resistant Electronic Control Panel Cover
- ✓ Tube Failure Detection

The FPU2000 Series fixed pumps feed by an analog fixed 60 second timer. The pump can be on for 1 to 60 seconds. All FPU2000 Series have fixed speed outputs and can be adjusted by selecting the

pumphead tube size and choosing the desired RPM (revolutions per minute). The FPUVS2000 and FPUDVS2000 Series variable speed pumps are for continuous pumping pulse free, even while adjusting the percentage of output. The variable speed pump requires the use of brushes on the DC motor. Excellent brush life expectancy (2000 hours). An extra set of brushes included with every pump. The FPUDVS2000 Series will accept any one of three different types of external input signals; 4 to 20 mA, 0 to 10 Vdc, or frequency. The 4 to 20 mA and 0 to 10 Vdc loops must be powered. Two types of frequency inputs, AC sine waves (magnetic coils type outputs) and digital square waves (Hall Effect signals, contact closures), are acceptable. A jumper plug located on the circuit board is factory pre-set for AC sine wave signals, the jumper must be re-positioned when digital square

wave signals are being used. All wiring connections are to be made inside of the junction box located on the side of the FPUDVS2000 Series. A liquid tight connector is supplied and should be used for the external signal cable. The signal input wires are color coded to the type of signal being used.

SPECIFICATIONS

Maximum Working Pressure:

100 psig/6.9 bar (most models)

Maximum Fluid Temperature:

54°C (130°F)

Ambient Temperature Range:

-10 to 43°C (14 to 110°F)

Enclosure: NEMA 3R (IP24)

(acceptable for indoor use)

Pump Tube Material: Norprene

Duty Cycle: Continuous

Maximum Solids: 50% by volume

Maximum Viscosity: 5000 Centipoise

Maximum Suction Lift:

Up to 9 m (30') water

Turn Down Ratio: 20:1

Power Requirements: 115 V 60 Hz
80 Watts, 220 V 50 Hz 40 Watts,
230 V 60 Hz 45 Watts

Variable Speed: 115 V 60 Hz
40 Watts, 220 V 50 Hz 40 Watts,
230 V 60 Hz 40 Watts

Dimensions:

155.6 H x 257.2 W x 228.6 mm D
(6 $\frac{1}{8}$ x 10 $\frac{1}{8}$ x 9")

Variable Speed:

159 H x 254 W x 235 mm D
(6 $\frac{1}{4}$ x 10 x 9 $\frac{1}{4}$ ")

Weight: 3.6 kg (8 lb)

Tube Connection: Compression barb
type (3/8" ID x 1/4" OD)

FPUVS2003, \$643, shown
smaller than actual size.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Peristaltic Pumps

Model No.		Variable Speed		Variable Speed		Max Feed Rate			Max Strokes/minute	
Fixed-Timer Control	Price	Standard Percentage	Price	Digital Percentage Controllers	Price	Pump Tube OD	mL/min	GPD	PSI	RPM
FPU2001	\$486	FPUVS2001	\$655	FPUDVS2001	\$960	1/4"	6	2.3	100	14
FPU2002	475	FPUVS2002	643	FPUDVS2002	949	1/4"	13	4.9	100	30
FPU2003	475	FPUVS2003	643	FPUDVS2003	949	1/4"	21	8	100	45
FPU2004	475	FPUVS2004	643	FPUDVS2004	949	1/4"	25	9.5	75	60
FPU2005	486	FPUVS2005	655	FPUDVS2005	960	3/8"	18	6.8	100	14
FPU2006	475	FPUVS2006	643	FPUDVS2006	949	3/8"	42	16	100	30
FPU2007	475	FPUVS2007	643	FPUDVS2007	949	3/8"	63	24	100	45
FPU2008	475	FPUVS2008	643	FPUDVS2008	949	3/8"	79	30.1	75	60
FPU2009	486	FPUVS2009	655	FPUDVS2009	960	7/16"	57	21.7	50	14
FPU2010	475	FPUVS2010	643	FPUDVS2010	949	7/16"	138	52.5	50	30
FPU2011	475	FPUVS2011	643	FPUDVS2011	949	7/16"	200	76.1	50	45
FPU2012	475	FPUVS2012	643	FPUDVS2012	949	7/16"	250	95.1	50	60

Accessories

Model No.	Price	Description
TYSP5F-3814-50	\$30	15 m (50') spool of 3/8 x 1/4" santoprene tubing
FPU2000-14PTA	26	1/4" OD pump tube assembly
FPU2000-38PTA	26	3/8" OD pump tube assembly
FPU2000-716PTA	29	7/16" OD pump tube assembly
FPU2000-RA	59	Roller assemblies for 1/4 and 3/8" tube models
FPU2000-716RA	59	Roller assemblies for 7/16" tube model
FPU2000-PHB	20	Pump head cover with bearing
FPU2000-PH	57	Pump head
FPU1000-AB	27	Quantity 2, armature bearings
FPU1000-IF	34	Injection fitting
FPU2000-TN	3	Tube nut (3/8")
FPU2000-CW	6	Ceramic weight
FPU2000-SP	4	Strainer plug

Comes complete with suction tube strainer, tube weight, suction tubing, discharge tubing, and injection fitting with internal back-flow check valve, mounting hardware, and operator's manual. FPUVS and FPUDVS come with an additional set of brushes.

To order 220 Vac/50Hz model add suffix "-220/50" to model number, no additional charge. To order 230 Vac/60 Hz model add suffix "-230/60" to model number, no additional charge. **Note:** 220 Vac/50Hz fixed speed models output approximately 20% less.

Ordering Examples: FPUDVS2007 digital pump 24 GPD, \$949.

FPU2001, fixed timer controlled pump 2.3 GPD, \$486.

Recommended Reference Book: Flow Measurement Engineering Handbook,
OP-9, \$145. See Section Y for Additional Books





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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters