

VARIABLE SPEED AND FIXED TIMER PERISTALTIC PUMPS

FPU2000 Series



FPUDVS2003,
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 relatively 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.

**Only 220 Vac/50 Hz and 230 Vac/60 Hz models are CE approved.*

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 ($\frac{3}{8}$ " ID x $\frac{1}{4}$ " OD)

FPUVS2003, shown
smaller than actual size.



To Order

Peristaltic Pumps

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

Accessories

Model No.	Description
TYSP5F-3814-50	15 m (50') spool of $\frac{3}{8}$ x $\frac{1}{4}$ " santoprene tubing
FPU2000-14PTA	$\frac{1}{4}$ " OD pump tube assembly
FPU2000-38PTA	$\frac{3}{8}$ " OD pump tube assembly
FPU2000-716PTA	$\frac{7}{16}$ " OD pump tube assembly
FPU2000-RA	Roller assemblies for $\frac{1}{4}$ and $\frac{3}{8}$ " tube models
FPU2000-716RA	Roller assemblies for $\frac{7}{16}$ " tube model
FPU2000-PHB	Pump head cover with bearing
FPU2000-PH	Pump head
FPU1000-AB	Quantity 2, armature bearings
FPU1000-IF	Injection fitting
FPU2000-TN	Tube nut ($\frac{3}{8}$ ")
FPU2000-CW	Ceramic weight
FPU2000-SP	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 CE approved 220 Vac/50 Hz model, add suffix "-220/50" to model number, no additional charge. To order CE approved 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.

FPU2001, fixed timer controlled pump 2.3 GPD.