



# VARIABLE SPEED AND FIXED TIMER PERISTALTIC PUMPS

FPU2000A Series



FPU2000A, shown smaller than actual size.

- ✓ Peristaltic Pump Tube Does Not Require Valves
- ✓ Self Priming
- ✓ High Outlet Pressure Capability of 100 psig on Most Models
- ✓ Improved Pump Head Design
- ✓ Corrosion Proof Polybutylene Terephthalate Housing
- ✓ Tamper Resistant Electronic Control Panel Cover
- ✓ Tube Failure Detection

The FPU2000A Series fixed pumps feed by an analog fixed 60 second timer. The pump can be on for 1 to 60 seconds. All FPU2000A Series have fixed speed outputs and can be adjusted by selecting the pumphead tube size and choosing the desired RPM (revolutions per minute).

The FPU2000A and FPUDVS2000A 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 FPUDVS2000A 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 FPUDVS2000A 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)

FPUVS2003A  
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
FPU2001A	FPUVS2001A	FPUDVS2001A	$\frac{1}{4}$	6	2.3	100	14
FPU2002A	FPUVS2002A	FPUDVS2002A	$\frac{1}{4}$	13	4.9	100	30
FPU2003A	FPUVS2003A	FPUDVS2003A	$\frac{1}{4}$	21	8	100	45
FPU2004A	FPUVS2004A	FPUDVS2004A	$\frac{1}{4}$	25	9.5	75	60
FPU2005A	FPUVS2005A	FPUDVS2005A	$\frac{3}{8}$	18	6.8	100	14
FPU2006A	FPUVS2006A	FPUDVS2006A	$\frac{3}{8}$	42	16	100	30
FPU2007A	FPUVS2007A	FPUDVS2007A	$\frac{3}{8}$	63	24	100	45
FPU2008A	FPUVS2008A	FPUDVS2008A	$\frac{3}{8}$	79	30.1	75	60
FPU2009A	FPUVS2009A	FPUDVS2009A	$\frac{7}{16}$	57	21.7	50	14
FPU2010A	FPUVS2010A	FPUDVS2010A	$\frac{7}{16}$	138	52.5	50	30
FPU2011A	FPUVS2011A	FPUDVS2011A	$\frac{7}{16}$	200	76.1	50	45
FPU2012A	FPUVS2012A	FPUDVS2012A	$\frac{7}{16}$	250	95.1	50	60

### Accessories

Model No.	Description
TYSP6F-3814-50	15 m (50') spool of $\frac{3}{8}$ x $\frac{1}{4}$ " santoprene tubing
FPU2000AI-4T	$\frac{1}{4}$ " OD pump tube assembly
FPU2000AI-6T	$\frac{3}{8}$ " OD pump tube assembly
FPU2000AI-7T	$\frac{7}{16}$ " OD pump tube assembly
FPU2000A-RA	Roller assemblies for $\frac{1}{4}$ and $\frac{3}{8}$ " tube models
FPU2000A-716RA	Roller assemblies for $\frac{7}{16}$ " tube model
FPU2000A-PHB	Pump head cover with bearing
FPU2000A-PH	Pump head
FPU1000A-AB	Quantity 2, armature bearings
FPU1000A-IF	Injection fitting
FPU2000A-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:** FPUDVS2007A digital pump 24 GPD.

FPU2001A, fixed timer controlled pump 2.3 GPD.