

## Peristaltic Pumps :

We ALPHA GLOBAL are a company producing and supplying types of different Industrial Pumps. We offer highly Precise and Quality peristaltic pumps ranging up to heavy duty for Laboratory and Industrial uses peristaltic pumps which are in great demand. These Peristaltic Pumps are available in types of different flow rate and features so widely used as it is accurately functioning, precise design, finishing and features. It can be used in various types of applications like Commercial, Laboratory and Industrial.

- 1.. **Simple Basic Peristaltic Pumps** (Adjustable speed and reversible direction)
- 2.. **Basic Peristaltic Pumps** (Available with RPM Digital Display and Timer function)
- 3.. **Multi-Channel Peristaltic Pumps**
- 4.. **Flame Proof Peristaltic Pumps**

### MODEL: PP- 27X Series:

ALPHA GLOBAL Peristaltic Pumps are of Simple Basic type and, Smart Peristaltic Pumps. These are the portable type of Peristaltic Pumps which are manufactured specially for small volume dosing. Pumps are supplied with one meter Silicone Tubing.



PP-27X-S



PP-27X-D

### BASIC PERISTALTIC PUMPS

ALPHA GLOBAL Peristaltic Pumps are the simplest possible pumps, with no valves and seals. The fluid contacts only the tubing, eliminating the risk of the pump contaminating the fluid, or vice a versa. Peristaltic pump can operate dry without risk. Backflow and siphoning do not occur. The flow rate depends mainly on the internal diameter of the tube and the speed at which the roller run by DC Gear Motor (Cont. Duty). Suction lift capability depends on the restitution power of the tube. The best way to select the tube is first determine which material are chemically suitable/isolate and then to choose the one that the best matches of the significant pressure, suction or vacuum demands.



**PP-27X-DT**

## PERISTALTIC PUMPS WITH RPM DIGITAL DISPLAY AND TIMER

### FEATURES:

- M.S. Powder coated box
- Cast aluminium stage with Black Epoxy coating
- Rollers made of Cast Nylon
- Electronic speed control/Adjustable
- Reversible flow direction

### PP-27X MODELS AVAILABLE IN DIFF. FLOW RATES:

- **PP-271** – Flow rate 6 ml to 60 ml per Hour (1ml/min)
- **PP-272** – Flow rate 10 ml to 80 ml per minute
- **PP-273** – Flow rate 80 ml to 650 ml per minute
- **PP-274** – Flow rate 110 ml to 900 ml per minute

## MODEL: P-120 Series :



### Specifications (sample):-

<b>Model:</b> P-120 VS <b>No. of Channels:</b> One <b>RPM</b> : 10 to 100 (with direct digital Display ) <b>Flow Rate</b> : 1.5 ml to 85 ml/ min 1ml - 15ml/min with 1mm ID and 8.5 ml - 85 ml/min with 3 mm ID tubing <b>Tubing</b> : 1 to 3 mm I.D. with 1 to 1.5 mm Wall thickness <b>Dimension</b> : 115 x 225 x 260 mm (H x W x D)	<u><b>M.O.C. of the Pump Head</b></u> <b>Outer ARM</b> : Acetal Co-Polymer <b>ARM cover</b> : Transparent Polycarbonate <b>Rotor</b> : G. F. Nylon <b>Rollers</b> : Carbon filled Nylon <b>Enclosure</b> : Powder Coated Aluminum <b>Motor</b> : PMDC Geared Motor (Cont. Duty) <b>Pressure</b> : Up to 2.5 Kg / Sq.cm <b>Accuracy</b> : +/- 2% <b>Supply</b> : 230V, 50Hz, single phase AC <b>Weight</b> : 6 Kg (App.)
---	---

### **Salient Features :**

- Flow rates ranging from 20 micro Lt./Min to 95 Lt./Min
- Offers Solutions for pH control, temperature control, foam control and many other industrial process parameters control
- Offers pumps with accuracy better than 1% and expertise in pulsation dampener solutions
- Offers wide range of food grade quality tubes, lab tubes, chemical resistance tube & industrial hoses etc.
- Continuous duty pumps capable of running 24 x 7 all year Round
- Microcontroller based control circuits
- Precise Plum based DC gear/stepper motor drive
- Menu driven LCD readout for flow rate / RPM and time selection
- Switches for On / Off, menu, digit select, Increase, priming, direction reversal functions.
- Advanced EEPROM technology without any battery backup (Memory retention of the stored parameters for more than five years)
- Provision for external control by means of a foot switch / relay contacts/ 4 - 20mA signal.
- Operates on 230 v, 50 Hz, single phase AC
- Models for Dual / Four / multi-Channels are available.

### Controls:

ON/OFF switch with built in indication for AC Mains control. Precise PWM based DC motor drive (cont. duty). Auto/Manual modes of speed variation with 3 digit seven segment LED display. Auto: Speed variation by means of external 4...20mA signal. Manual: Speed variation by means of a multi turn potentiometer Direction of rotation of the pump head can be changed by means of a toggle switch (CW/CCW)

### AVAILABLE MODELS OF P-120 SERIES:

MODEL	RPM	FLOW RATE / HOUR	TUBING ID	MOTOR
P-120 VS	10 – 100	90 ml – 5.0 Ltr	1 – 3 mm	PMDC
P-120 S	10 - 200	120 ml – 24 Ltr	1 – 5 mm	PMDC
P-120 L	10 – 200	1.2 Ltr – 156 Ltr	3 – 10 mm	PMDC
P-120 LS	20 – 200	6.0 Ltr – 300 Ltr	5 – 12 mm	PMDC
P-120 EL	20 – 200	25 Ltr – 1000 Ltr	8 – 20 mm	AC
P-120 ELS	20 - 200	50 Ltr – 3000 Ltr	10 – 25 mm	AC

### MODEL: P-110 SERIES

ALPHA GLOBAL Peristaltic Pump with Basic Features high accuracy of approximately 1% and different flow rate. Single Channel, Multi-channel with DC Stepper motor run with soft key Operations and Digital Display.



### AVAILABLE MODELS: P110 Series:

MODEL	RPM	FLOW RATE	TUBE-IDmm	MOTOR
P-110 S -1	0.001-0.999	0.0002ml – 1 ml/min	1 - 3 mm	DC STEPPER(Cont.)
P-110 S -10	0.01-9.99	0.002 – 10 ml/min	"	"
P-110 S -25	0.1 - 25	0.02 – 25 ml/min	"	"
P-110 S -50	0.1 - 50	0.02 – 50 ml/min	"	"
P-110 S -100	0.1 - 100	0.02 – 250 ml/min	1 - 5 mm	"
P-110 S -200	1.0 – 200	0.2 - 500 ml/min	"	"
P-110 L -100	0.1 - 100	0.2 – 1000 ml/min	3 - 8 mm	"
P-110 L -200	1.0 - 200	2.0 – 2000 ml/min	"	"
P-110 LS-100	0.1 - 100	0.5 – 2500 ml/min	5 - 12 mm	"
P-110 LS-200	1.0 - 180	5.0 – 4200 ml/min	"	"

## MODEL: P-100 SERIES

ALPHA GLOBAL Peristaltic Pump with Basic Features high accuracy of approximately 1% and different flow rate, Also provided with the features of adjustable volumetric Dosing and adjustable time interval duration between two dosing, Single Channel, Multi-channel and DC Stepper motor run with soft key Operations and Digital Display.



### AVAILABLE MODELS: P100 Series:

MODEL	FLOW RATE/min	TUBING ID	MOTOR
P-100 VS-100	0.1ml - 99.9 ml/min	1 - 3 mm	DC STEPPER(Cont.)
P-100 S -100	0.1ml -199.9 ml/min	1 - 5 mm	"
P-100 S -200	0.1ml -499.9 ml/min	"	"
P-100 L -100	0.1ml -999.9 ml/min	3 - 8 mm	"
P-100 L -200	0.1ml -1999 ml/min	"	"
P-100 LS -100	1ml - 2999 ml/min	5 - 12 mm	"
P-100 LS -200	1ml - 4199 ml/min	"	"

## MULTI CHANNEL PERISTALTIC PUMPS

ALPHA GLOBAL Peristaltic Pump available in Multiple Nos of channels in a same enclosure with all Basic Features and high accuracy with the range of different flow rates. Available almost in all models of Series P-120, P110, and P-100 models of Peristaltic Pumps



## FLAME PROOF PERISTALTIC PUMPS

ALPHA GLOBAL Peristaltic Pump available in a Flame Proof Enclosure Certified by "CIMFR" approved FLP/WP enclosure with S.S. Cover, IP:65, Zone 1&2, Gas Group IIB with Basic Features high accuracy with the range of different flow rates. Available almost in all models of Series P-120, P110, and P-100 models of Peristaltic Pumps



## APPLICATION :

- ✚ Can Handle the Liquid even with solid particles and pressure up to 10 Bar
- ✚ Agriculture, Biomass, Biogas, Bio Ethanol Industry
- ✚ Fishes & Sea Food, Cut Vegetable, Grapes & Fruits processing Industry
- ✚ Pharmaceuticals Industry
- ✚ Food Product Processing Industry
- ✚ Paints & Coatings Industry
- ✚ Pulps & Papers Industry
- ✚ Foam Concentrate / Ceramic Construction Industry

## Contact us :

### ALPHA GLOBAL

A-701, FAIRDEAL HOUSE, SWASTIK CROSS ROAD, NAVRANGPURA, AHMEDABAD-380 009, GUJARAT STATE, INDIA.

Contact Nos. : +91- 9825020695, 8320946269, 8320949451

E-mail: alphaindpumps@gmail.com, sales@alphaglobalind.com Site: www.alphaglobalind.com