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Peristaltic pumps

Some applications require precise amount of filling, at precise time gaps. Turn over to know how to manage...

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RH-P100 Series



With PC interface facility



Features:

- > Microcontroller based control circuits
- > Precise PWM based DC 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
- > Operates on 230 v, 50 Hz, single phase AC

	RH-P100V5-100	RH-P100S-100	RH-P100L-100
Flow rate	6 ml/hr to 3.6 lts/hr	6 ml/hr to 12 lts/hr	60 ml/hr to 60 lts/hr
Tubing ID	1 to 3 mm	1 to 5 mm	3 to 8 mm

RH-P110 Series

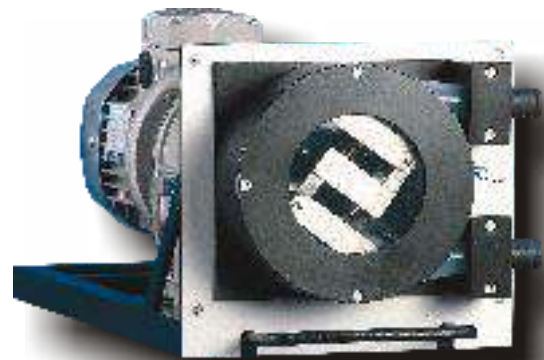


Features:

- > Microcontroller based control circuits
- > Speed variation by means of two digit thumbwheel switch
- > Switches for on / off, direction reversal and prime
- > Accepts 1 mm to 3 mm ID tubings
- > Single phase, 230 v, 50 Hz, AC input

Model	RPM	Flow rate
RH-P110S-01	0.01 to 0.99	0.12 ml/hr to 60 ml/hr
RH-P110S-10	0.1 to 9.9	1.2 ml/hr to 600 ml/hr
RH-P110S-25	0.25 to 24.75	3 ml/hr to 1500 ml/hr
RH-P110S-50	0.5 to 49.5	6 ml/hr to 3000 ml/hr

RH-P120 Series



Features:

- > Rugged DC / AC motor drives that operates in industrial environments with high working temperature and humidity
- > Speed variation by means of a potentiometer or external 4 - 20 mA current signal with digital display readout
- > Operates on 230 v, 50 Hz, single phase AC supply

Model	RPM	Flow rate	Tubing ID	Motor
RH - P120V5	5 - 60	60 ml - 3 lts / hr	1 - 3 mm	PMDC
RH - P 120 S	10 - 200	120 ml - 24 lts / hr	1 - 5 mm	PMDC
RH - P 120 L	10 - 200	1.2 lts - 180 lts / hr	3 - 10 mm	PMDC
RH - P 120 LS	20 - 200	6 lts - 300 lts / hr	5 - 12 mm	PMDC
RH - P 120 EL	20 - 200	25 lts - 1000 lts / hr	8 - 20 mm	AC
RH - P 120 ELS	20 - 200	50 lts - 3000 lts / hr	10 - 25 mm	AC

OEM

Multi-channel

Composite Sampler

Automatic Filling Station





Peristaltic Pumps

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 the fluid contaminating the pump. 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 advance. Suction lift capability depends on the restitution power of the tube. The best way to select the tube is first determine which materials are chemically suitable and then to choose the one that best matches of significant pressure, suction or vacuum demands.

Applications

Peristaltic pumps have a variety of medical applications. They can be used to add nutrients to blood, to force blood through filters to clean it or to move blood through the body and lungs during open-heart surgery.

Peristaltic pumping is ideal for most fluids, including viscous, shear-sensitive, co-abrasive fluids and those containing suspended solids. They are especially useful pumping operations where hygiene is important

Peristaltic Pumps operate on the positive displacement principle. They are particularly suitable for metering, dosing and dispensing applications. These pumps are easy to install, operate and inexpensive to maintain.

