



Peristaltic Pump

 LABTRON

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Peristaltic Pump

Labtron produces rotary evaporator which is suitable for various processes such as distillation, crystallization etc. These products are manufactured keeping in mind safe usage and affordability. It is highly efficient and shows consistency in operation.

Peristaltic Pump LPP-A1 Series

Models of Labtron Peristaltic Pump LPP-A1 Series are high precision pumps particularly for standard industrial and laboratory usage. It is compact with easy to use feature, noiseless performance and does not contaminate the fluid during operation. It is CE authorized and is safe and reliable.

Features:

- Easy to use touch keypad
- One touch tube refilling feature makes refilling easier
- Automatic 60 seconds test timer
- Dual CPU control system separates the drive and control
- Three-digit LED display
- External start/stop, direction change and speed control mode available
- High torque, power saving system
- Data can be stored and recovered on power or system failure
- Multiple pump heads can be attached to meet different applications in the same pump

Application

Labtron Peristaltic Pump can be used for dispensing, transferring, filling, dosing and sampling various types of fluids in pharmaceutical, chemical industries, medical and research laboratories.

Technical Parameters

| Model | LPP-A10 | LPP-A11 | LPP-A12 |
|-----------------------|--|------------------|------------------|
| Rotating Speed | 0.1-150rpm | 0.1-350rpm | 0.1-600rpm |
| Flow Rate | 0.00011-720ml/min | 0.006-1600ml/min | 0.006-2900ml/min |
| Flow Rate Accuracy | | <±0.5% | |
| Speed Precision | | 0.1rpm | |
| Control Signal | 0-5V, 0-10V, 4-20mA (Optional) | | |
| Operating Temperature | | 0-40°C | |
| Operating Humidity | | < 80% | |
| Display | 4.3 inch LCD display with colour | | |
| Interface | RS232/RS485 support MODBUS protocol (RTU mode) | | |
| Dimension | | 223x150x195mm | |
| Power | <40W | <50W | <60W |
| Power Supply | 220V±10%, 50Hz/60Hz | | |
| Weight | 4.7kg | 4.7kg | 5.2kg |

Peristaltic Pump LPP-A2 Series

Models of Labtron Peristaltic Pump LPP-A2 Series are high precision pumps particularly for standard industrial and laboratory usage. It is compact with easy to use feature, noiseless performance and does not contaminate the fluid during operation. It is CE authorized and is safe and reliable.

Features:

- Flow rate can be adjusted during production by micro adjust function which in turn helps to decrease the errors caused by tubing fatigue and elasticity
- Accurate angle control technology helps to achieve high precision filling
- Back suction angle setting reduces liquid spillage on halting of the pump
- Filling system is designed with 60 commonly used filling modes to reduce setting time and enhance working efficiency
- Safety alarm ensures safe operation
- External start/stop control function and stop signal control when the bottle is missing increases accuracy and reduces spillage
- Efficient and quick fluid-filling technique can be used for both washing and fluid-filling of the tube
- Multiple pump heads can be attached to use different applications in the same pump

Application

This product can be used for dispensing, transferring, and filling, dosing and sampling various types of fluids. It can be used in pharmaceutical, chemical industries, also in medical and research laboratories.

Technical Parameters

| Model | LPP-A20 | LPP-A21 | LPP-A22 |
|-----------------------|---------------------------------|--------------------------------------|--------------------------------------|
| Flow Rate | 0.0067-575mL/min | 0.006-1340ml/min | 0.006-2300ml/min |
| Rotating Speed Range | 1-150rpm | 1-350rpm | 1-600rpm |
| Speed Precision | 0.1 rpm | | |
| Flow Rate Accuracy | <±0.5% | | |
| Control Signal | | 0-5 V, 0-10 V, 4-20 mA (Optional) | 0-5 V, 0-10 V, 4-20 mA (Optional) |
| Operating Temperature | 0-40°C | | |
| Operating Humidity | < 80% | | |
| Display | 4.3 inch LCD display with color | | |
| Dimension (L×W×H) | 223x150x195mm | 223x150x195mm | 223x150x195mm |
| Power | <40W | <50W | <60W |
| Power Supply | 220V ±10% 50Hz/60Hz | | |
| Weight | 4.7kg | 4.9kg | 5.2kg |

Peristaltic Pump LPP-B1 Series

Model of Labtron Peristaltic Pump LPP-B1 Series are highly accurate pumps with low or medium flow rate featuring automatic or manual speed control. It is equipped with dual CPU control system that separates the drive and helps in quick and stable operation. It is compact with easy to use feature and does not contaminate the fluid during operation. It provides flexible solutions for a variety of demanding applications from low flow lab pumps to high flow industrial pumps for dispensing, filling, metering, dosing, sampling and transferring applications.

Features:

- Flow rate can be adjusted during production by micro adjust function which in turn helps to decrease the errors caused by tubing fatigue and elasticity
- Highly accurate angle control technology gives high precision metering and dispensing
- Efficient and quick fluid-filling technique can be used for both washing and fluid-filling of the tube
- Fixed volume measurement function and fixed time and volume function for ease of use
- Automatic timer function
- High torque, power saving system
- Multiple pump heads can be attached to use different applications in the same pump
- External start/stop, direction change and speed control mode available
- External control signal of 0-5 V, 0-10 V, 4-20 mA can be detected
- Data can be stored and recovered on power or system failure
- Stainless steel 304 anti-corrosion coating
- Touch screen and membrane keypad controller
- LCD display with colour which displays flow volume and motor speed simultaneously
- Efficient calibration function which can calibrate flow rate and dispensing volume accurately

Application

This product can be used for dispensing, transferring, and filling, dosing and sampling various types of fluids. It can be used in pharmaceutical, chemical industries, also in medical and research laboratories.

Technical Parameters

| Model | LPP-B10 | LPP-B11 | LPP-B12 |
|--------------------|--------------------------------|-----------------|------------------|
| Rotating Speed | 30-600rpm | 30-600rpm | 0.1-600rpm |
| Flow Rate | 400-13000ml/min | 400-13000ml/min | 0.01-13000ml/min |
| Speed Precision | 0.1 to 1 rpm | 0.1 to 1 rpm | 0.1rpm |
| Flow Rate Accuracy | <±0.5% | | |
| Control Signal | 0-5V, 0-10V, 4-20mA (Optional) | | |

Peristaltic Pump

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|-----------------------|--|---------------|---------------|
| Operating Temperature | 0-40°C | | |
| Operating Humidity | < 80% | | |
| Display | 4.3 inch LCD display with colour | 3-digit LED | 3-digit LED |
| Interface | RS232/RS485 support MODBUS protocol (RTU mode) | | |
| Dimension | 340×235×175mm | 340×235×175mm | 350×235×315mm |
| Power | <80W | <80W | <300W |
| Power Supply | 220V±10%, 50Hz/60Hz | | |
| Weight | 13kg | 13kg | 15kg |

Peristaltic Pump LPP-B2 Series

Model of Labtron Peristaltic Pump LPP-B2 Series are highly accurate pumps with low or medium flow rate featuring automatic or manual speed control. It is equipped with dual CPU control system that separates the drive and helps in quick and stable operation. It is compact with easy to use feature and does not contaminate the fluid during operation. It provides flexible solutions for a variety of demanding applications from low flow lab pumps to high flow industrial pumps for dispensing, filling, metering, dosing, sampling and transferring applications.

Features:

- Stainless steel 304 anti-corrosion coating
- Colour touch-screen display helps to monitor filling parameter and system settings
- Intelligent calibration function can calibrate flow rate and dispensing volume accurately
- Flow rate can be adjusted during production by micro adjust function which in turn helps to decrease the errors caused by tubing fatigue and elasticity
- Accurate angle control technology helps to achieve high precision filling
- Back suction angle setting reduces liquid spillage on halting of the pump
- Filling system is designed with 60 commonly used filling modes to reduce setting time and enhance working efficiency
- Safety alarm ensures safe operation
- External start/stop control function and stop signal control when the bottle is missing increases accuracy and reduces spillage
- Efficient and quick fluid-filling technique can be used for both washing and fluid-filling of the tube
- Multiple pump heads can be attached to use different applications in the same pump

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Application

This product can be used for dispensing, transferring, and filling, dosing and sampling various types of fluids. It can be used in pharmaceutical, chemical industries, also in medical and research laboratories.

Features:

| Model | LPP-B20 | LPP-B21 | LPP-B22 | LPP-B23 |
|-----------------------|---|---|------------------|---|
| Rotating Speed | 0.1-600 rpm | 0.1-600 rpm | 0.1-600 rpm | 0.1-600 rpm |
| Flow Rate | 0.006-1700ml/min | 0.16-1700ml/min | 0.006-2300ml/min | 0.16-2900ml/min |
| Speed Precision | 0.1rpm | | | |
| Flow Rate Accuracy | <±0.5% | | | |
| Control Signal | 0-5V, 0-10V, 4-20mA (Optional) | 0-5V, 0-10V, 4-20mA (Optional) | - | 0-5V, 0-10V, 4-20mA (Optional) |
| Operating Temperature | 0-40°C | | | |
| Operating Humidity | < 80% | | | |
| Display | 4.3 inch LCD display | | | |
| Interface | RS232/RS485 support MODBUS protocol (RTU mode) | RS232/RS485 support MODBUS protocol (RTU mode) | - | RS232/RS485 support MODBUS protocol (RTU mode) |
| Dimension | 255x181x198mm | | | |
| Power | <50W | | | |
| Power Supply | 220 V, 60 Hz | | | |
| Weight | 4.9kg | | | |

| Model | LPP-B30 | LPP-B31 |
|-----------------------|----------------------|---------|
| Flow Rate | 0.25-6000mL/min | |
| Rotating Speed Range | 0.1-600 rpm | |
| Speed Precision | 0.1 rpm | |
| Flow Rate Accuracy | <±0.5% | |
| Operating Temperature | 0-40° C | |
| Operating Humidity | < 80% | |
| Display | 4.3 inch LCD display | |

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|-------------------|---------------|---------------|
| Dimension (L×W×H) | 286×180×230mm | 330×220×235mm |
| Power | <200W | <100W |
| Power Supply | 223 V, 60 Hz | 224 V, 60 Hz |
| Weight | 6.2kg | 7.1kg |

Peristaltic Pump LPP-C1 Series

This model is a serve motor driven standard type peristaltic pump particularly for large scale industries, wide range and accurate liquid transfer. It features a membrane keypad control with start/stop, time & direction along with external control selection option. It includes CPU control system that separates the drive and helps in quick and stable operation.

Features:

- Stainless steel 304 anti-corrosion coating, seamless welding technology avoids accidental spillage on internal circuit
- Triple protection paint protects the circuit board from dust, moisture and static also resists corrosion
- Pump head material made up of aluminium alloy; Roller material made up of stainless steel 304 material
- Motor: Serve motor system with control precision reduces vibration and noise
- Intelligent rotary encoded switch controls speed automatically
- External start/stop, direction change and speed control mode available. External control signal of 0-5 V, 0-10 V and 4-20 mA can be detected
- Data can be stored and recovered on power or system failure
- Wide voltage design with strong anti-jamming feature enables the system for complex power supply
- Multiple pump heads can be attached to meet different applications in the same pump

Application

Used for dispensing, transferring, filling, dosing and sampling various types of fluids. It can be used in pharmaceutical, chemical industries, also in medical and research laboratories.

Technical Parameters

| Model | LPP-C10 | LPP-C11 | LPP-C12 |
|-----------------|-----------------|-------------------|----------------|
| Flow Rate | 0.006~280ml/min | 0.00011-480ml/min | 0.16~280ml/min |
| Dimension | 218×127×122 mm | | |
| Weight | 2.7kg | | |
| Power | <30W | | |
| Rotating Speed | 0.1-100 rpm | | |
| Speed Precision | 0.1 rpm | | |

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|-----------------------|-----------------------------------|---------------------|-----------------|
| Flow Rate Accuracy | <±0.5% | | |
| Control Signal | 0-5V, 0-10V, 4-20mA (Optional) | - | - |
| Operating Temperature | 0-40°C | | |
| Operating Humidity | < 80% | | |
| Display | LED | 3-digit LED | LED |
| Interface | RS485 | RS485(optional) | RS485(optional) |
| Power Supply | | 220/110 V, 50/60 Hz | |

Peristaltic Pump LPP-D Series

Model of Labtron Peristaltic Pump LPP-D Series are systems with basic & latest configuration, including dual CPU control system, separates drive for quick, stable operation and high efficiency transfer and corrosion resistance. It is primarily used in laboratories, industries and research & development.

Features:

- LED screen displays rotary speed up till 3-digits
- Fill and drain key helps you get rid of any air inside the tube which enables filling of the tube without any air bubble
- Pulse rotary encoded switch for speed control. It ensures high accuracy during fluid transfer
- External start/stop, direction change and speed control mode available. External control signal of 0-5 V, 0-10 V, 4-20 mA can be detected
- Data can be stored and recovered on power or system failure
- High torque and low power loss enables the pump to connect with several pump heads in series or install multichannel pump heads to utilize variety of application settings
- Multiple pump heads can be attached to meet different applications in the same pump

Application

Labtron Peristaltic Pump can be used for dispensing, transferring, filling, dosing and sampling various types of fluids. It can be used in pharmaceutical, chemical industries, also in medical and research laboratories.

Technical Parameters

| Model | LPP-D10 | LPP-D11 | LPP-D12 |
|-----------------------|--------------------------------|------------------------|------------------------|
| Flow Rate | 0.07-570ml/min | 0.07-1330ml/min | 0.07-2280ml/min |
| Rotating Speed Range | 1.0-150rpm, reversible | 1.0-350rpm, reversible | 1.0-600rpm, reversible |
| Speed Precision | 0.1rpm | 0.1 to 1rpm | 0.1 rpm |
| Flow Rate Accuracy | - | | <±0.5% |
| Control Signal | 0-5V, 0-10V, 4-20mA (Optional) | | |
| Operating Temperature | 0-40°C | | |
| Operating Humidity | < 80% | | |
| Display | 3-digit LED | | |
| Dimension (L×W×H) | 234×144×140mm | 245×184×145mm | 245×184×145mm |
| Power | <22 W | <35W | <50W |
| Power Supply | 229 V, 60 Hz | 230 V, 60 Hz | 231 V, 60 Hz |
| Weight | 3.98kg | 4.30Kg | 4.68Kg |



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