



# PUMPS & ASPIRATORS



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## Basic Piston Pump IPP-500 Series

Basic Piston Pump IPP-500 Series is basically used in a laboratory. The major features of these pumps: display motor speed, used for common transferring, support simple dispensing (0.5s to 999s). Run multichannel pumping with accurate flow control also features with ABS plastic and 4 digital LCD screen display with 3 different motor and flow rates of 0 to 2300 ml/min. Suitable for transferring high temperature, high pressure, and viscous liquid.

Basic Piston Pump IPP-545L has a 0.1 to 600 rpm speed range with stepper motor along with RS232, RS485 Modbus interface communicator.

Basic Piston Pump IPP-555M has a 0.1 to 1800 rpm speed range with servo motor along with RS232, RS485 Modbus interface communicator.

Basic Piston Pump IPP-565H has a 100 to 3000 rpm speed range with Brushless dc motor along with RS232, RS485 Modbus interface communicator.

- Allow stacking of 3 different motor and flow rate of 0 to 2300 ml/min
- 4 digital LCD screen display
- Suitable for high pressure and temperature
- High repeatability on all channels
- The directional signal comes with passive switch signal like foot pedal along with optional active switch signal: 5V, 12V, 24V
- Low noise and vibration
- Touch screen + Mechanical keypad are used for the control method
- Easy installation and low maintenance condition
- Materials have good rigidity and high precision along with resisting organic solvent corrosion property
- Adjust the pump as per the need

## Technical Specifications

|                             |                                                                                    |           |                 |           |                    |           |
|-----------------------------|------------------------------------------------------------------------------------|-----------|-----------------|-----------|--------------------|-----------|
| Model                       | IPP-545L                                                                           |           | IPP-555M        |           | IPP-565H           |           |
| Flow rate                   | 0 to 2300 ml/min                                                                   |           |                 |           |                    |           |
| Type                        | Basic type                                                                         |           |                 |           |                    |           |
| Operating Temperature       | 0 to 40°C                                                                          |           |                 |           |                    |           |
| Motor                       | Stepper                                                                            |           | Servo           |           | Brushless dc motor |           |
| Speed                       | 0.1 to 600 rpm                                                                     |           | 0.1 to 1800 rpm |           | 100 to 3000 rpm    |           |
| Material                    | ABS plastic                                                                        |           |                 |           |                    |           |
| Display                     | 4 Digital LCD screen                                                               |           |                 |           |                    |           |
| Control Method              | Mechanical keypad                                                                  |           |                 |           |                    |           |
| Start/Stop Direction Signal | Passive switch signal: foot pedal<br>Active switch signal: 5V, 12V, 24V (optional) |           |                 |           |                    |           |
| Outlet Pressure             | 0.69 MPa                                                                           |           |                 |           |                    |           |
| IP-Rate                     | IP31                                                                               |           |                 |           |                    |           |
| Communication               | RS232, RS485 Modbus protocol(RTU mode)                                             |           |                 |           |                    |           |
| Power Consumption           | < 100 W                                                                            |           |                 |           |                    |           |
| Humidity                    | < 80%                                                                              |           |                 |           |                    |           |
| Dimension                   | 261.4×157.3×236.9 mm                                                               |           |                 |           |                    |           |
| Drive Weight                | 4.4 kg                                                                             |           |                 |           |                    |           |
| Electrical Requirement      | 110V/60Hz                                                                          | 220V/50Hz | 110V/60Hz       | 220V/50Hz | 110V/60Hz          | 220V/50Hz |
| Catalogue No.               | 490600501                                                                          | 490600502 | 490601001       | 490601002 | 490601501          | 490601502 |

