



Flow Rate Peristaltic Pump

Model NO. : N6-3L

Flow Rate : 0.211-3600mL/min



Product Introduction

The closed-loop stepper motor drives a standard industrial peristaltic pump, using a 3.2-inch true color LCD display. The flow rate and speed are displayed on the same screen. The knob speed adjustment + pure imported keys; speed range: 0.1-600 rpm, flow range: 0.3-6000 ml 1 min; It can be applied to a variety of pump heads and various external control methods. It supports RS232 / RS485 communication and standard Modbus communication protocol (RTU mode). It is suitable for industrial sites with large flow, wide range and high-precision liquid transmission.

Product Features

- Large flow rate, high precision, intelligent control of liquid transferring.
- Closed-loop stepper motor drive, accurate control, strong driving force.
- 304 stainless steel housing, the first choice for high level industrial sites.



Pump Head



DZ25-3L(PPS)



DZ25-3L(Aluminium Alloy)

Drive	Motor Type	Pump Head	Tubing Size	Speed Range(rpm)	Flow Rate(mL/min)
N6-3L	Closed-loop stepper motor	DZ25-3L	15#, 24#, 35#, 36#	0.1-600	0.211~3600

Screen Display

The screen displays the following information:

- Flow rate:** 3600 mL/min
- Motor speed:** 600.0 rpm
- Model:** N6-3L
- Control Panel:**
 - Speed knob
 - ESC
 - Direction (Left/Right arrows)
 - Start/stop (Play/Pause)
 - Full speed (Play with slash)
- Status Panel:**
 - Pump head: DZ25-3L
 - Tube: 36#
 - Dispensing: Off
 - Ext. speed: Off



Technical Specifications

Flow rate range	0.211~3600 mL/min
Speed range	0.1-600 rpm
Flow rate accuracy	<±0.5%
Speed resolution	0.1rpm
Dispensing function	0.1s~9999h
Back suction angle	0-360°
Motor type	Closed-loop stepper motor
Control method	Mechanical keypad+Digital knob
Display	3.2" high definition LCD screen
Start/stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 5V-24V
External speed control signal	0-5V,0-10V,4-20mA for option
Output interface	Output motor working status(Open-Collector output)
Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Communication interface	RS232, RS485 support MODBUS protocol(RTU mode)
Drive dimension	223×152×230mm(L×W×H)
Drive weight	5.06kg
Power consumption	<80W
Condition temperature	0-40°C
Relative humidity	<80%

Dimension Drawing(Unit: mm)

