

IP67 Industrial Peristaltic Pump

Model : HPM600-EasyPump

Flow Rate : 0.053-3100mL/min

IP rate : IP67

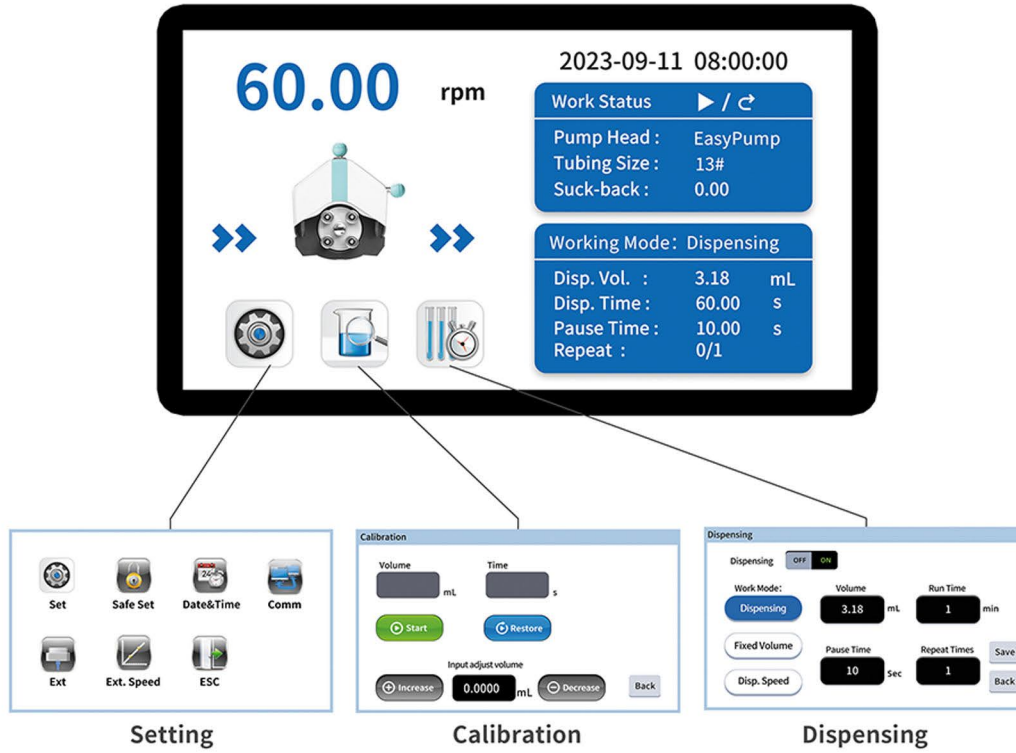


Introduction

- The pump shell protection level is IP67, special designed for industrial environment. The pump has 6 types of sealing structures, which can withstand various harsh hot and humid environments, ensure long-term stable operation of the pump.
- Intelligent control system, support transferring and dispensing function.
- 4.3 inch touch screen, easy operation, easy parameter setting and calibration.

Product Features

- IP67 designed for industrial environment
- Intelligent operation system
- Circuit isolation is achieved both inside and outside the external control interface
- Aluminum alloy body with excellent heat dissipation performance
- Three levels of permissions management function
- Open pump head cover to stop machine

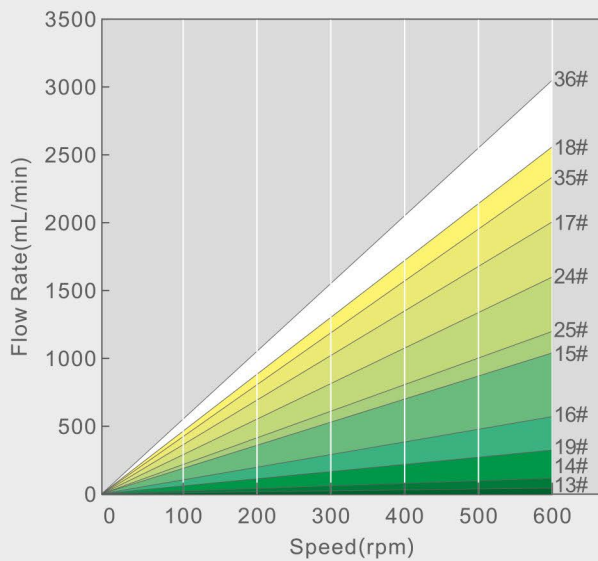
Control Interface**Pump Head**



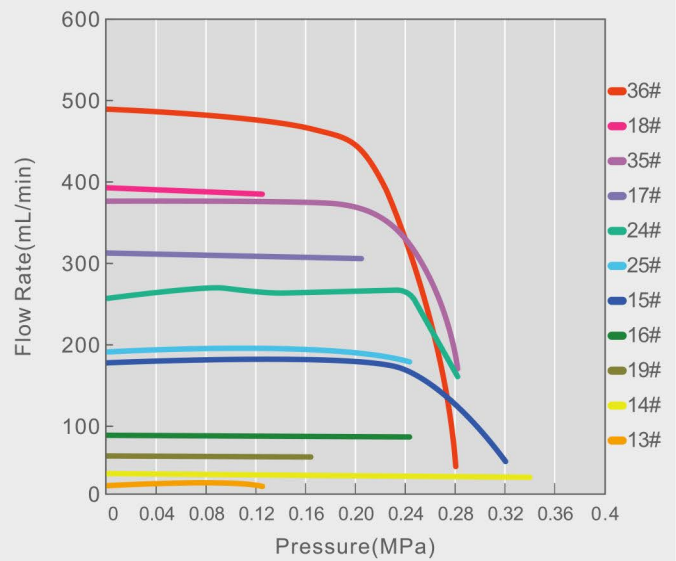
Flow Rate

Pump Head	Housing Material	Tubing		mL/r	Speed (rpm)	Flow Rate (mL/min)	Weight (kg)
		Size	IDxWall Thickness				
Single channel EasyPumpI/III	Engineering plastic / PPS	13#	0.8x1.6	0.053	0.1-600	0.0053-32	0.6
		14#	1.6x1.6	0.27		0.027-162	
		19#	2.4x1.6	0.55		0.055-330	
		16#	3.1x1.6	0.933		0.093-560	
		25#	4.8x1.6	1.967		0.197-1180	
		17#	6.4x1.6	3.333		0.333-2000	
Single channel EasyPumpII/IV		18#	7.9x1.6	4.3		0.430-2580	
		15#	4.8x2.4	1.8		0.180-1080	
		24#	6.4x2.4	2.733		0.273-1640	
Dual channel EasyPumpV/VI		35#	7.9x2.4	3.833		0.383-2300	
		36#	9.6x2.4	5.167		0.517-3100	
		13#	0.8x1.6	0.053		0.0053-32	
	14#	1.6x1.6	0.27	0.027-162			
	19#	2.4x1.6	0.55	0.055-330			
		16#	3.1x1.6	0.933	0.093-560		
		25#	4.8x1.6	1.967	0.197-1180		

Flow Rate(0.1-600rpm)



Pressure/Flow Rate Curve(100rpm)

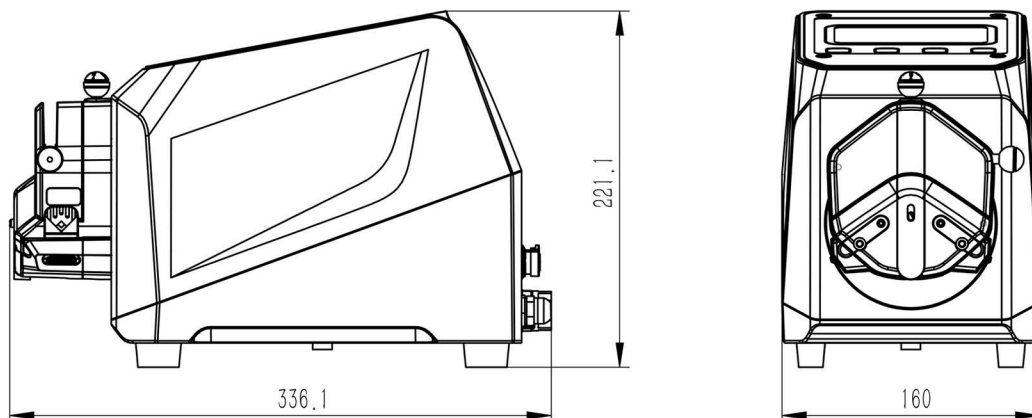


Filling Volume Reference Parameter							
Drive	Pump Head	Tubing	Filling Volume(mL)	Filling Time(s)	Accuracy(±%)	Output (pcs/min)	Motor Speed (rpm)
HPM600	EasyPump	13 [#]	0.4	1.2	0.8	27	377.36
		13 [#]	1	2.5	0.5	17	452.83
		14 [#]	2	1	0.5	30	444.44
		19 [#]	5	1.2	0.5	27	454.55
		16 [#]	7	1	0.5	30	450.16
		25 [#]	10	0.8	0.8	33	381.29
		25 [#]	15	1	0.5	30	457.55
		25 [#]	20	1.5	0.5	24	406.71
		17 [#]	30	1.2	0.5	27	450.05
		18 [#]	50	1.5	0.5	24	465.12
		15 [#]	15	1.2	0.5	27	416.67
		24 [#]	20	1.2	0.5	27	365.90
		35 [#]	30	1.2	0.5	27	391.34
		36 [#]	50	1.5	0.5	24	387.07
	2*EasyPump	13 [#]	0.5	0.8	0.8	33	353.77
		13 [#]	1	1.2	0.5	27	471.70
		14 [#]	2	0.6	1	38	370.37
		14 [#]	5	1.5	0.5	24	370.37
		19 [#]	10	1.2	0.5	27	454.55
		16 [#]	15	1.2	0.5	27	401.93
		16 [#]	20	1.5	0.5	24	428.72
		25 [#]	30	1	0.5	30	457.55
		17 [#]	50	1	0.5	30	450.05
		18 [#]	70	1	0.5	30	488.37
		15 [#]	30	1.2	0.5	27	416.67
		24 [#]	50	1.2	0.5	27	457.37
35 [#]	70	1.2	0.5	27	456.56		
36 [#]	100	1.5	0.5	24	387.07		

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.

Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Dimension Drawing(mm)





Specifications

Standard	GB/T4208-2017, Q/BSC01-2019
Housing material	Aluminum alloy
Speed range	HPM150 : 0.1-150 rpm
	HPM350 : 0.1-350 rpm
	HPM600 : 0.1-600 rpm
Speed adjustment resolution	0.01 rpm
Display	4.3 inch-industrial grade- colorful LCD screen
Control modes	Touch screen, mechanical keypad, external control signal control, communication control
Working modes	Transferring mode, dispensing mode (Fixed volume, dispensing, speed dispensing)
Transferring mode	Continuous operation at set flow rate and speed
Dispensing mode	Dispensing: Set volume, time, repeat numbers, pause time
	Dispensing: set volume, flow rate, repeat numbers, pause time
	Speed dispensing: set speed (rpm), time, repeat numbers, pause time
Dispensing volume range	0.1ml - 9999L
Dispensing time range	0.1s - 9999h
Pause time range	0.5s - 9999s
Repeat numbers	1-9999 times, 0 means unlimited times
Calibration	Automatic calibration after inputting actual running liquid volume
Back suction angle	0-360°
Communication interface	RS485
Communication protocol	Modbus protocol (RTU mode)
External control speed signal	0-5V, 0-10V, 4-20mA (for option)
External control signal input	Active switch signal (5-24V) controls start/stop, direction; Passive switch signal controls start/stop
Signal output	Open collector output operation status
Digital output function	4-20mA output
Open cover to stop pump function	Prevent misoperation and effectively protect user safety
three levels of permissions	Reasonable configuration of operation permissions
Drive dimension	274mm*160mm*221mm (L*W*H)
Power supply	AC110-220V, 50/60Hz
Rated power	100W
Working environment	0-40°C
Drive weight	6.2kg
Relative humidity	<90%
Protection level	IP67