

PISTON PUMP

Lab PV, LabPF, LabPM



FEATURES

- With streamlined body design, ABS engineering plastic shell.
- Three types of motors are available: stepper motor, servo motor, dc brushless motor.
- 316 stainless steel and die casting aluminum piston pump head material optional.
- Suitable for transmission of high temperature, high pressure liquid, widely used in laboratories, industrial and other places.

Model Number

- LabPV, LabPF, LabPM

Typical Application

- Mainly used in laboratories

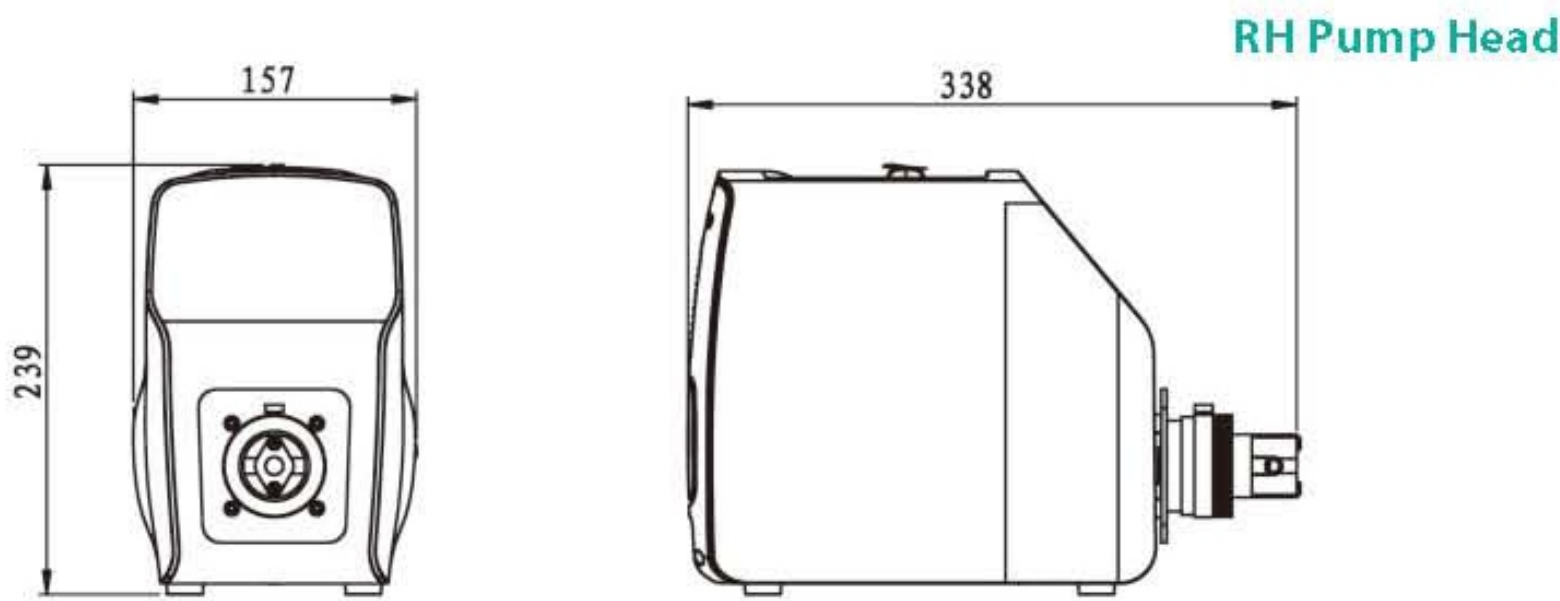
Technical Specifications

Piston size code	Volume (mL/min)	Max. flow rate (mL/min)	Speed range	Max temp (°C)	Materials of construction		
					Piston	Cylinder body	Cylinder liner
RH00	0.025	0-75	0-3000	100°C	Ceramic	PVDF	Ceramic
				60°C	316SS	PVDF	Carbon
					316SS	Tefzel	Carbon
				100°C	Ceramic	Tefzel	Ceramic
RH0	0.05	0-150	0-3000	100°C	Ceramic	PVDF	Ceramic
					Ceramic	Tefzel	Ceramic
RH1	0.1	0-300	0-3000	100°C	Ceramic	PVDF	Ceramic
					Ceramic	Tefzel	Ceramic
Q0	0.08	0-144	0-1800	60°C	316SS	PVDF	Carbon
					316SS	316SS	Carbon
Q1	0.32	0-576	0-1800	100°C	Ceramic	PVDF	Ceramic
					Ceramic	PVDF	Carbon
				177°C	Ceramic	316SS	Ceramic
					Ceramic	316SS	Carbon
				60°C	316SS	PVDF	Carbon
					316SS	316SS	Carbon
Q2	0.72	0-1296	0-1800	100°C	Ceramic	PVDF	Ceramic
					Ceramic	PVDF	Carbon
				177°C	Ceramic	316SS	Ceramic
					Ceramic	316SS	Carbon
				60°C	316SS	PVDF	Carbon
					316SS	316SS	Carbon
Q3	1.28	0-2304	0-1800	100°C	Ceramic	PVDF	Ceramic

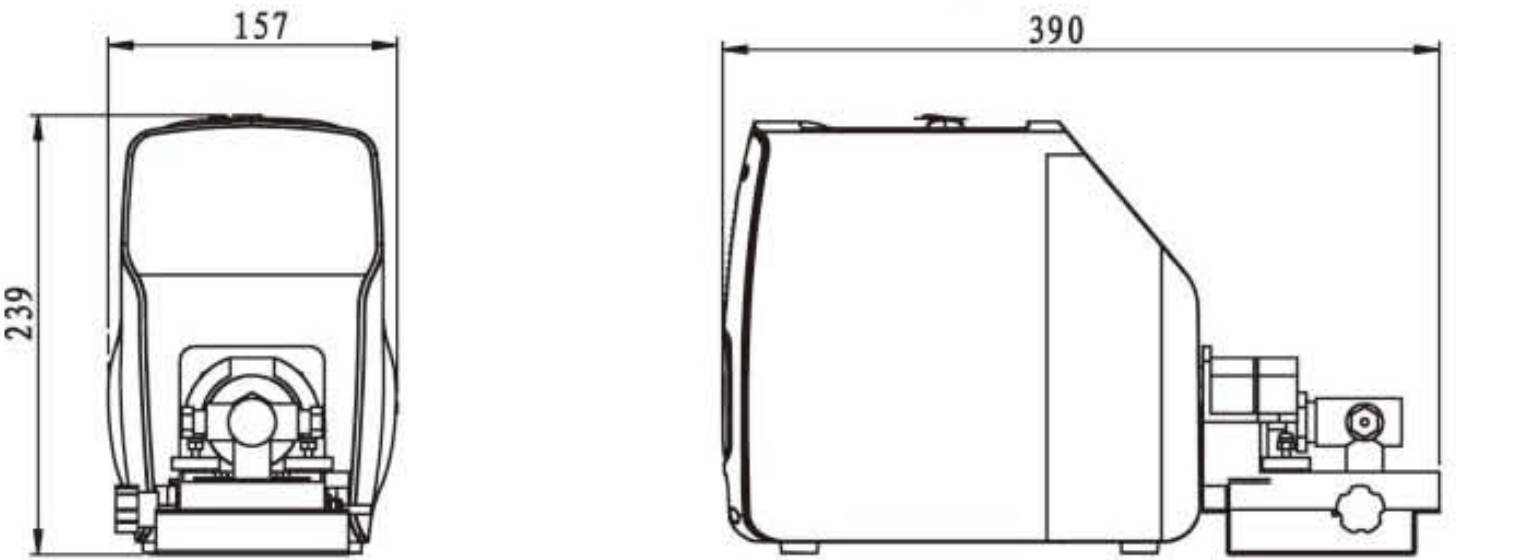
Technical Specifications			
Outlet pressure	≤0.69 MPa	Power supply	AC 220V±10% 50Hz/60Hz(standard)
External speed control signal	0-5V,0-10V,4-20mA		AC 110V±10% 50Hz/60Hz(optional)
Start/stop	Passive switch signal, such as foot pedal	Drive weight	4.4Kg
	Active switch signal: 5V,12V,24V for option	Drive dimension	261.4×157.3×236.9mm
Communication interface	RS232, RS485 support MODBUS protocol(RTU mode)	Power consumption	<100W
Motor type	LabPV-L/LabPF-L/LabPM-L, Stepper motor	Condition temperature	0-40°
	LabPV-M/LabPF-M/LabPM-M, Servo motor	Relative humidity	<80%
	LabPV-H/LabPF-H/LabPM-H, Brushless dc motor	IP rate	IP31

Drive	Model	Speed Range (rpm)	Display	Operating Mode	Function	Motor Status Output Interface
LabPV	Intelligent flow rate type	LabPV-L, 0.1-600rpm	4.3"-industrial-true color LCD Screen	Touch screen + Mechanical keypad	Flow rate/motor speed display, Fixed time and volume, Fixed volume measurement, Timer start and stop functions.	open-collector output
		LabPV-M, 0.1-1800rpm				
		LabPV-H, 100-3000rpm				
LabPF	Intelligent dispensing type	LabPF-L, 1-600rpm	4.3"-industrial-true color LCD Screen	Touch screen + Mechanical keypad	Input dispensing volume, dispensing time,copy numbers, for accurate filling	open-collector output
		LabPF-M, 1-1800rpm				
		LabPF-H, 100-3000rpm				
LabPM	Basic type	LabPM-L, 0.5-600rpm	4 digital LED	Mechanical keypad	Display motor speed, used for common transferring, support simple dispensing (0.5s-999s)	No
		LabPM-M, 0.5-1800rpm				
		LabPM-H, 100-3000rpm				

Dimension Drawing (Unit: mm)



Dimension Drawing (Unit: mm)



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- Complete range of Dissolution Testers • Dissolution Media Preparator • Friability Testers • Tablet Hardness Testers
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The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice
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