

HF-LabV1, HF-LabV3, HF-LabV6



HF-LabV1, HF-LabV3, HF-LabV6
Laboratory
Industrial equipment supporting



HF-V1, HF-V3, HF-V6



New generation Easy Load
Type Pump Head



HF-YZ Series



New generation Multichannel
Type Pump Head



HF-MC Series



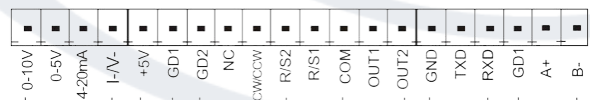
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Product Introduction

- Industrial grade 4.3" true color LCD screen, touch screen control, both Chinese and English interface available.
- -Dinamic display transferring status. Flow rate data setting parameters and system configuration display in the same screen.
- 3 Kinds of working mode: fixed volume metering, fixed time and volume, timer start and stop, meet different transferring and dispensing request.
- Intelligent calibration function and online micro adjusting function.

External Control Schematic Diagram



HF-LabV1/V3/V6

- Technical Specifications

Flow rate range	HF-LabV1/V1: 0,000166~775 ml/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch
	HF-LabV3/V3: 0,000166~1808 ml/min		Active switch signal: 5V, 12V and 24V for option
	HF-LabV6/V6: 0,000166~3100 ml/min	Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)
Speed range	0,1-600 rpm	Output interface	Output motor working status (Open-Collector output)
Speed resolution	0,01 rpm		
Flow rate resolution	0,01 μ l	Power supply	AC220V \pm 10 % 50Hz/60Hz (standard)
Flow rate accuracy	<0,5 %		AC110V \pm 10 % 50Hz/60Hz (optional)
Back suction angle	0-360	Drive dimension (L \times W \times H)	HF-LabV Series: 261.4x157.3x236.9mm
Outlet pressure	1bar(0.8-1.0mm wall thickness tubing)		Drive weight
	1-2.7bar (1.6-2.4mm wall thickness tubing)	HF-LabV Series: 4.40kg	
Motor type	Stepper motor		HF-V series: 4.40kg
Display	Industrial grade 4.3"LCD color display	Power consumption	<50W
Control method	Touch screen and Mechanical keypad	Condition temperature	0-40
Keypad lifetime	300.000 times	Relative humidity	<80 %
External speed control signal	0-5V, 0.10V, 4-20mA for option	IP rate	IP31

- Product Composition and Flow Rate Range

Flow Rates Peristaltic Pump		Pump Head&Flow Rate (ml/min)					
		HF-YZ1515x	HF-YZ2515x	HF-MC1~MC12(10)	HF-MC1~MC12(6)		
Tubing		13#, 14#, 19#, 16#	15#, 24#	Inner diameter: 0.13-3.17mm Wall thickness: 0.8-1mm			
Drive&speed		25#, 17#, 18#					
HF-LabV1/V1	0,1-150 rpm	0,007~570	0,17~435	0.000166-49 (working speed≤150rpm)	0.000185-65 (working speed≤150rpm)		
HF-LabV3/V3	0,1-150 rpm	0,007~1330	0,17~1015				
HF-LabV6/V6	0,1-600 rpm	0,007~2280	0,17~1740				
Tubing		New generation HF-Easy Load Type Pump Head		CNew generation Multichannel Type Pump Head			
		HF-Easy Pump (1.60 mm wall thickness)		HF-Easy Pump (2.40 mm wall thickness)		8 rollers	
		13#, 14#, 19#, 16#		15#, 24#, 35#, 36#		Inner diameter: 0.13-3.17mm Wall thickness: 0.8-1mm	
		25#, 17#, 18#					
HF-LabV1/V1	0,1-150 rpm	0,0053~645	0,18~775	0.0002-52 (working speed≤150rpm)			
HF-LabV3/V3	0,1-350 rpm	0,0053~1505	0,18~1808				
HF-LabV6/V6	0,1-600 rpm	0,0053~2580	0,18~3100				

