

## HF-LabF1, HF-LabF3, HF-LabF6



- Medicine and chemical dispensing, such as oral liquid diagnostic reagents.
- Cosmetic dispensing, such as perfume, lip gloss.

- Handling Dispenser
- Based on ergonomics engineering design
  - Elegant appearance

- Accessories



## HF-F1, HF-F3, HF-F6



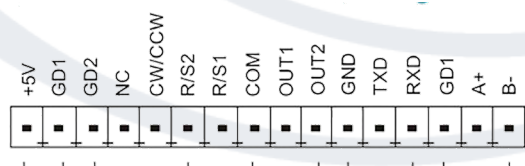
- Features

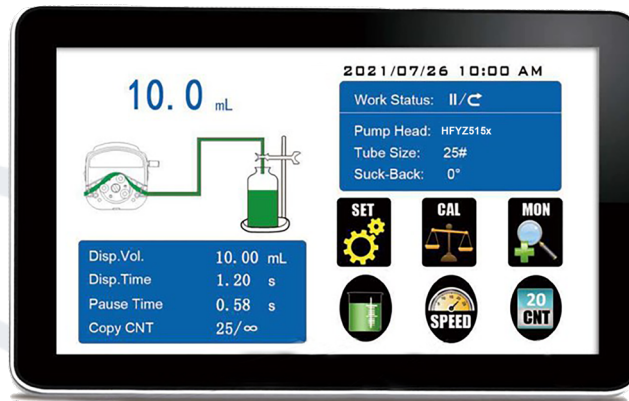
- Imported 4.3" industrial grade color LCD screen display, with touch screen control.
- Can preset dispensing volume, dispensing time, pause time and copy numbers.
- With intelligent calibration function and online micro adjusting function.
- The pump can store 60 commonly used filling modes.
- Back suction angle setting, avoid liquid drop off when the pump stops working.
- New flow rate mode, can be used for continuous transferring.
- Can communicate with balance, closed-loop control.

- Model Number

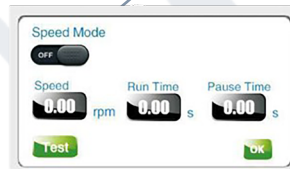
HF-F1, HF-F3, HF-F6

- External Control Schematic Diagram

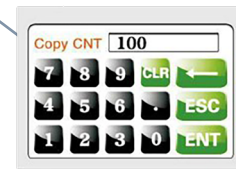




Volume dispensing interface



Speed dispensing interface



Repeat numbers interface

### • Technical Specifications

Flow rate range	HF-LabF1/F1: 0.00166~775ml/min HF-LabF3/F3: 0.00166~1808ml/min HF-LabF6/F6: 0.00166~3100ml/min	Start/Stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 5V, 12V and 24V for option
Speed range	1-600 rpm	Output interface	Output motor working status (Open-Collector output)
Speed resolution	0.01 rpm	Communication interface	RS232, RS485 support Modbus protocol (RTU mode)
Dispensing volume range	0.1-9999.99 ml	Power supply	AC 220V±10% 50Hz/60Hz (Standard)
Dispensing volume resolution	0.01 ml	Outlet pressure	AC 110V±10% 50Hz/60Hz (Optional)
Dispensing time	0.1-9999.99 s	Drive dimension (L×W×H)	1bar (0.8~1.0mm wall thickness tubing)
Pause time	0.1-9999.99 s	Drive weight	1~2.7bar(1.6~2.4mm wall thickness tubing)
Time resolution	0.01 s	Power consumption	HF-LabF Series: 261.4X157.3X236.9mm
Copy numbers	1-9999 times, setting 0' means unlimited	Condition temperature	HF-F Series: 212x152x243mm
Back suction angle	0-360	Relative humidity	HF-LabF Series: 4.40kg
Dispensing accuracy	<0.5 %	IP rate	HF-F Series: 4.20kg
Motor type	Stepper motor		
Display	Industrial grade 4.3" color LCD display		
Control method	Touch screen and Mechanical keypad		
Keypad lifetime	300,000 times		

• Product Composition and Flow Rate Range

Flow Rates Peristaltic Pump		Pump Head&Flow Rate (ml/min)			
		HF-YZ1515x	HF-YZ2515x	HF-MC1~HF-MC12(10)	HF-MC1~HF-MC12(6)
Drive&speed	Tubing	13#, 14#, 19#, 16#	15#, 24#	Inner diameter: 0.13-3.17mm Wall thickness: 0.8-1mm	
		25#, 17#, 18#			
HF-LabF1/F1	1-150 rpm	0.07~570	1.7~435	0.00166-49 (working speed≤150rpm)	0.00185-65(working speed≤150rpm)
HF-LabF3/F3	1-350 rpm	0.07~1330	1.7~1015		
HF-LabF6/F6	1-600 rpm	0.07~2280	1.7~1740		
		New Generation Easy Load Type Pump Head		New Generation Multichannel Type Pump Head	
Drive&speed	Tubing	HF-EasyPump (1.60 mm wall thickness)	HF-EasyPump (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-LabF1/F1	1-150 rpm	0.053~645	1.8~775	0.002-52 (working speed)≤150rpm)	
HF-LabF3/F3	1-350 rpm	0.053~1505	1.8~1808		
HF-LabF6/F6	1-600 rpm	0.053~2580	1.8~3100		