

Dispensing Peristaltic Pump

3 years warranty

F6-12L

304
SS Housing



Features

- Suitable for large flow rate, high efficiency, high precision filling.
- Servo motor drive, accurate control, strong driving force.
- 304 stainless steel drive housing can support the filling line.
- New flow rate mode, can be used for continuous transferring.

Model Number

F6-12L/YZ35

Technical Specifications

Flow rate range	F6-12L: 0.0069~12 L/min	Control method	Touch screen and Mechanical keypad
Speed range	1-600 rpm	Keypad lifetime	300,000 times
Speed resolution	0.01 rpm	Start/stop, direction signal	Passive switch signal, such as foot pedal switch Active switch signal: 5V, 12V and 24V for option
Dispensing volume range	0.1-9999.99 mL	Output interface	Output motor working status (Open-Collector output)
Dispensing volume resolution	0.01 mL	Communication interface	RS232, RS485 support Modbus protocol (RTU mode)
Dispensing time	0.1-9999.99 s	Power supply	AC 220V±10% 50Hz/60Hz (Standard) AC 110V±10% 50Hz/60Hz (Optional)
Pause time	0.1-9999.99 s	Drive dimension	302×222×275mm
Time resolution	0.01 s	Drive weight	13.14kg;
Copy numbers	1-9999 times, setting '0' means unlimited	Power consumption	< 300W
Back suction angle	0-360°	Condition temperature	0-40°C
Outlet pressure	0.3 Mpa	Relative humidity	< 80%
Dispensing accuracy	<±0.5%	IP rate	IP31
Motor type	Servo motor		
Display	Industrial grade 4.3" color LCD display		

Product Composition and Flow Rate Range

Drive	Motor Type	Pump Head	Tubing Size	Speed Range(rpm)	Flow Rate(mL/min)
F6-12L	Servo Motor	YZ35	26", 73", 82"	1-600	6.9~12000



F6-12L Filling Volume Reference Parameter(Media is water)							
Drive	Pump Head	Tubing	Filling Volume (mL)	Filling Time(s)	Filling Accuracy (±%)	Output(pcs/min)	Motor Speed(rpm)
F6-12L	YZ35	26 [#]	150	3	0.5	15	423.254
		73 [#]	300	3	0.5	15	457.805
		82 [#]	500	3	0.5	15	458.451

F6-12L Series Filling Accuracy Reference Parameter(Media is water)																	
Drive	Pump Head	Tubing	Filling Volume	Filling Time	Actual Filling Volume(mL)											Filling Accuracy	
F6-12L	YZ35	26 [#]	150mL	3s	149.3	150.3	149.6	150.2	150.5	150.1	150.5	150.1	150.5	150.0	-0.47%	0.33%	
					150.4	149.9	150.4	150.0	150.3	149.8	150.3	149.9	150.4	150.0			
		73 [#]	300mL	3s	299.9	299.8	300.0	300.1	300.4	300.2	300.4	300.4	300.6	300.5	-0.07%	0.27%	
					300.8	300.6	300.5	300.5	300.5	300.6	300.7	300.5	300.6	300.6			
		82 [#]	500mL	3s	500.0	497.8	499.7	498.3	498.4	499.5	498.2	499.7	499.2	498.4	-0.44%	0.38%	
					499.5	498.3	501.5	501.9	500.0	501.8	501.1	500.5	501.6	499.6			

