

Dispensing & Filling System - Peristaltic Pump

FU4B-1&FC32S-1, FU5B-1&FC32S-1

DISPENSING&FILLING SYSTEM

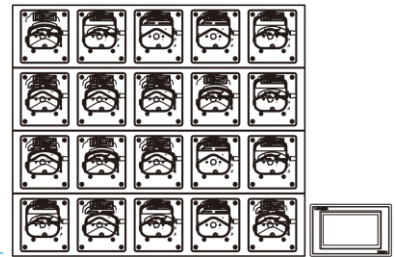


Mainly designed for automatic filling & dispensing machine.

- 304ss housing has good corrosion resistance.
- Controller FC32S-1 and dispensing system FU4B-1/FU5B-1 are separated, to allow flexible mounting way.
- One dispensing unit of FU4B-1 has four channels, one dispensing unit of FU5B-1 has five channels. With modular structure, one controller can control 32 channels.
- Controller adopts 7 inch industrial touchscreen interface to operate easily and friendly.
- Each channel has independent membrane key and LED display, which can be used to set the channel address and calibrate the dispensing volume when system is running or stop.



Dispensing volume	0.1ml-9999.99ml (resolution: 0.01ml)
Dispensing time	0.5s-6000s (resolution: 0.1s)
Interval time	0.5s-999.9s
Dispensing cycle	0-999999, "0" means unlimited cycle
Delay time before back suction	0-60.0s
Back suction angle	0-1000°
Channel quantity	One FU4B-1 has 4 channels, one FU5B-1 has 5 channels. The system channels can be expended by modular structure. One controller can control 32 channels
Display	LCD
Control mode	Touchscreen control, external signal control or communication control
Start control signal input	Each dispensing unit has one pair of terminals for the external start signal
No bottle signal input	Each channel has individual terminals for the no bottle signal
Communication function	Rs485 communication interface, Modbus protocol, communication parameters (address, baud rate, parity, stop bit) can be set through touchscreen
Dispensing calibration	Dispensing volume of every channel can be calibrated through percentage, volume, weight or average weight method.
Channel enable	Every channel can be set as enable or disable
Fill/Backflow	All channels can be fast filling or backflowing at high speed simultaneously or separately
Channel address	Communication address of each channel can be set through independent membrane key and displayed on independent LED
Password function	Protect the system parameters and prevent misoperation through the password function
Dispensing parameter set	Dispensing parameters can be saved as a parameter set which can be invoked easily without reset it.
Dispensing unit dimension(L×W×H)	FU4B-1 (4 channels): 663mm × 218mm × 177mm FU5B-1 (5 channels): 823mm × 218mm × 177mm
Controller dimension(L×W×H)	228mm × 60mm × 146mm
Power supply	FU4B-1/FU5B-1: AC220V±20%/300W, FC32S-1: AC90V-260V/10W
Operating temperature	0 to 40°C
Relative humidity	<80%
IP rating	IP31
Weight	FU4B-1: 12kg, FU5B-1: 15kg, controller: 1.7kg



Model (Product Code)	Pump Head	Ref. Dispensing Volume(mL)	Tubing	Ref. Dispensing time(s)	Accuracy	Ref. Dispensing ID(mm)	Productivity (pcs/min)	
Dispensing System	YZ1515x YZ1115 FG15-13	0.3-0.5	13 [#]	1-1.2	≤±2%	≤0.5	27-30	
		1.0-2.3	14 [#]			≤1.0		
		2.6-5.1	19 [#]			≤1.5		
		4.6-9.1	16 [#]			≤2.0		
		10-19	25 [#]			≤3.0		
	FU4B-1 (05.11.02A) FU5B-1(05.11.03A)	YZ2515x YZ1125	15-30			17 [#]		≤3.0
			8.0-17			15 [#]		≤3.0
			12-24			24 [#]		≤3.0
			8.5-17			15 [#]		≤3.0
			15-24			24 [#]		≤3.0
Controller FC32S-1 (05.49.27A)	FG25-13 DMD15-13-B DMD15-13-D	18-36	35 [#]	≤3.0				
		25-48	36 [#]	≤3.0				
		9-17	15 [#]	≤3.0				
		12-24	24 [#]	≤3.0				
		0.1-0.9	2×13 [#]	≤0.5				
0.2-2.3	2×14 [#]	≤1.0						
0.5-5.9	2×19 [#]	≤2.0						
2.0-10	2×16 [#]	≤3.0						
5.0-25	2×25 [#]	≤3.0						