

Dispensing & Filling System - Peristaltic Pump

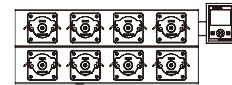
FB16-1

FB16-1 is mainly designed for automatic filling & dispensing machines. FB16-1 has higher precision than FK1-100Z. Each unit has four channels. With modular structure, one controller can control up to four units.

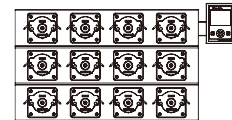


DISPENSING & FILLING SYSTEM

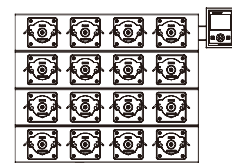
Dispensing volume	0.1mL-50mL
Dispensing time	0.5 to 30s
Speed	Automatic calculate speed according to dispensing volume and dispensing time
Back suction angle	0°-1000°
Rinse speed	Tubing rinsing or pre-filling, 15rpm-350rpm
Dispensing volume calibration	Calibrate dispensing volume to improve accuracy
Online dispensing volume adjustment	The dispensing volume can be adjusted in mid-process according to actual demand
Copy number	1-60000, "0" means unlimited cycle
Start/stop control signal input	1 switch signal
No bottle signal input	4 switch signals corresponding to 4 channels
Power-off memory	Storing the running parameter automatically
Communication interface	RS485, support modbus protocol
Dimension (L×W×H)	640×265×130 (mm)
Power supply	AC 220V±10%/150W
Operating temperature	0 to 40°C
Relative humidity	< 80%
IP rating	IP31
Weight	11.5kg



Double groups (8 channels) of filling & dispensing system



Triple groups (12 channels) of filling & dispensing system



Four groups (16 channels) of filling & dispensing system

Model	Product Code	Pump Head (Housing Material)	Dispensing Volume (mL)	Tubing	Dispensing Time (s)	Accuracy	Dispensing ID (mm)	Productivity (pcs/min)
FB16-1-A	05.11.01A	DMD15-13-A (PESU)	0.1-0.3	2×13"	0.5-0.7	±6μL	≤0.5	40-35
			0.3-0.6		0.7-1.1	±2%	≤0.5	35-28
			0.6-1.0		1.1-1.7	±1%	≤0.5	28-22
			1.0-2.0	2×14"	0.6-0.9	±2%	≤1.0	37-31
			2.0-4.0		0.9-1.6	±1%	≤1.0	31-23
			2.0-3.0		0.7-0.9	±2%	≤1.5	35-31
		DMD15-13-C (PPS)	3.0-5.0	2×19"	0.8-1.3	±1%	≤1.5	33-26
			4.0-6.0		0.8-1.0	±2%	≤2.0	33-30
			6.0-10.0		1.0-1.6	±1%	≤2.0	30-23
			6.0-10.0	2×25"	0.6-0.8	±2%	≤3.0	37-33
			10.0-30.0		0.8-2.0	±1%	≤3.0	33-20