

Integrated Filling System

Model No. : DF600 PlusII



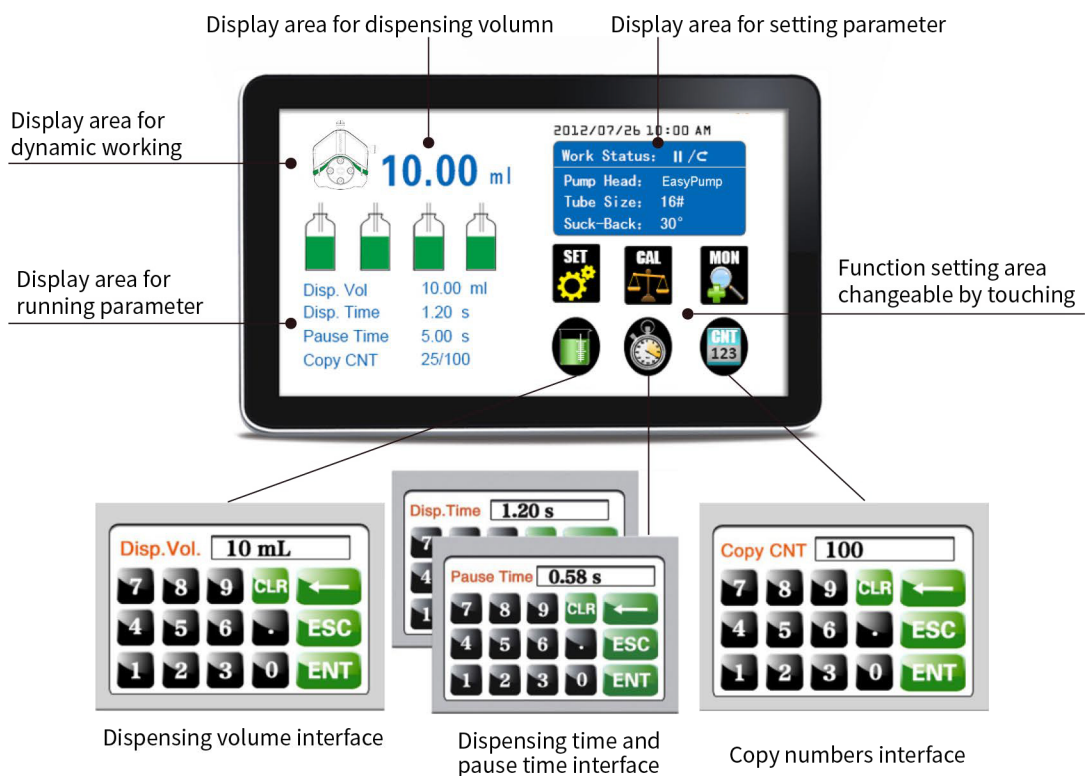
Product Features

- Integrated design, one controller can control 8 groups (total 32) filling units.
- It can support the production filling line, store 30 commonly used filling modes.
- Each filling unit can independently receive stop filling signal when bottle absent.

Typical Application

Pharmaceutical, health product filling, diagnostic reagent dispensing.
Food, beverage filling.
Cosmetic filling.

Screen Display



Technical Specifications

Drive	Pump Head	Flow Rate (mL/min)	Motor Type	Drive Dimension (L×W×H)	Power Consumption	Drive Weight
DF600 PlusII	EasyPump	0.0053-3100	Closed-loop stepper motor	706×250×186mm	Each unit<80W	21.8kg
	DZ25-3L	0.211-3600				

Speed range	0.1-600 rpm	Keypad lifetime	300,000 times
Filling volume range	0.01-9999.99 mL	Start/stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 5-24V universal
Filling time range	0.1-9999.99 s		
Pause time range	0.1-9999.99 s	Communication interface	RS485 communication Modbus protocol(RTU mode)
Filling volume resolution	0.01 mL		
Time resolution	0.01 s	Output interface	Output motor working status (Open-Collector output)
Copy numbers	1-9999 times, 0 represent unlimited		
Back suction angle	0-360°	Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Filling accuracy	<±0.5%		
Display	4.3" industrial grade true color LCD screen	Condition temperature	0-40°C
Control method	Touch screen and mechanical keypad	Relative humidity	<80%

Product Composition and Flow Rate Range

Drive	Pump Head	Pump Head Material	Tube Clamp Material	Tubing		(Motor Speed 0.1~600rpm) Flow Rate mL/min
				Tubing Size	ID×Wall Thickness	
DF600 PlusII	EasyPumpI/III	_____	_____	13#	0.8×1.6 (mm)	0.0053~32
				14#	1.6×1.6 (mm)	0.027~162
				19#	2.4×1.6 (mm)	0.055~330
				16#	3.1×1.6 (mm)	0.093~560
				25#	4.8×1.6 (mm)	0.197~1180
				17#	6.4×1.6 (mm)	0.333~2000
				18#	7.9×1.6 (mm)	0.430~2580
	EasyPumpII/IV	_____	_____	15#	4.8×2.4 (mm)	0.180~1080
				24#	6.4×2.4 (mm)	0.273~1640
				35#	7.9×2.4 (mm)	0.383~2300
				36#	6.4×2.4 (mm)	0.517~3100
	EasyPumpV/VI	_____	_____	13#	0.8×1.6 (mm)	0.0053~32
				14#	1.6×1.6 (mm)	0.027~162
				19#	2.4×1.6 (mm)	0.055~330
				16#	3.1×1.6 (mm)	0.093~560
				25#	4.8×1.6 (mm)	0.197~1180
	DZ25-3L	Aluminum alloy/PPS	PP	15#	4.8×2.4 (mm)	0.211~1264
				24#	6.4×2.4 (mm)	0.385~2310
				35#	7.9×2.4 (mm)	0.508~3050
				36#	4.8×2.4 (mm)	0.6~3600

Filling Volume Reference Parameter(Media is water)							
Drive	Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DF600 PlusII	EasyPump	13#	0.4	1.2	0.8	27	377.36
		13#	1	2.5	0.5	17	452.83
		14#	2	1	0.5	30	444.44
		19#	5	1.2	0.5	27	454.55
		16#	7	1	0.5	30	450.16
		25#	10	0.8	0.8	33	381.29
		25#	15	1	0.5	30	457.55
		25#	20	1.5	0.5	24	406.71
		17#	30	1.2	0.5	27	450.05
		18#	50	1.5	0.5	24	465.12
		15#	15	1.2	0.5	27	416.67
		24#	20	1.2	0.5	27	365.90
		35#	30	1.2	0.5	27	391.34
		36#	50	1.5	0.5	24	387.07
	2*EasyPump	13#	0.5	0.8	0.8	33	353.77
		13#	1	1.2	0.5	27	471.70
		14#	2	0.6	1	38	370.37
		14#	5	1.5	0.5	24	370.37
		19#	10	1.2	0.5	27	454.55
		16#	15	1.2	0.5	27	401.93
		16#	20	1.5	0.5	24	428.72
		25#	30	1	0.5	30	457.55
		17#	50	1	0.5	30	450.05
		18#	70	1	0.5	30	488.37
		15#	30	1.2	0.5	27	416.67
		24#	50	1.2	0.5	27	457.37
		35#	70	1.2	0.5	27	456.56
		36#	100	1.5	0.5	24	387.07
	DZ25-3L	15#	16	1	0.5	30	454.98
		24#	30	1.2	0.5	27	389.61
		35#	150	4	0.5	12	442.91
		36#	200	4	0.5	12	500.00

Dimension Drawing (Unit:mm)

