

Integrated Filling System

Model No. : DF600 Plus



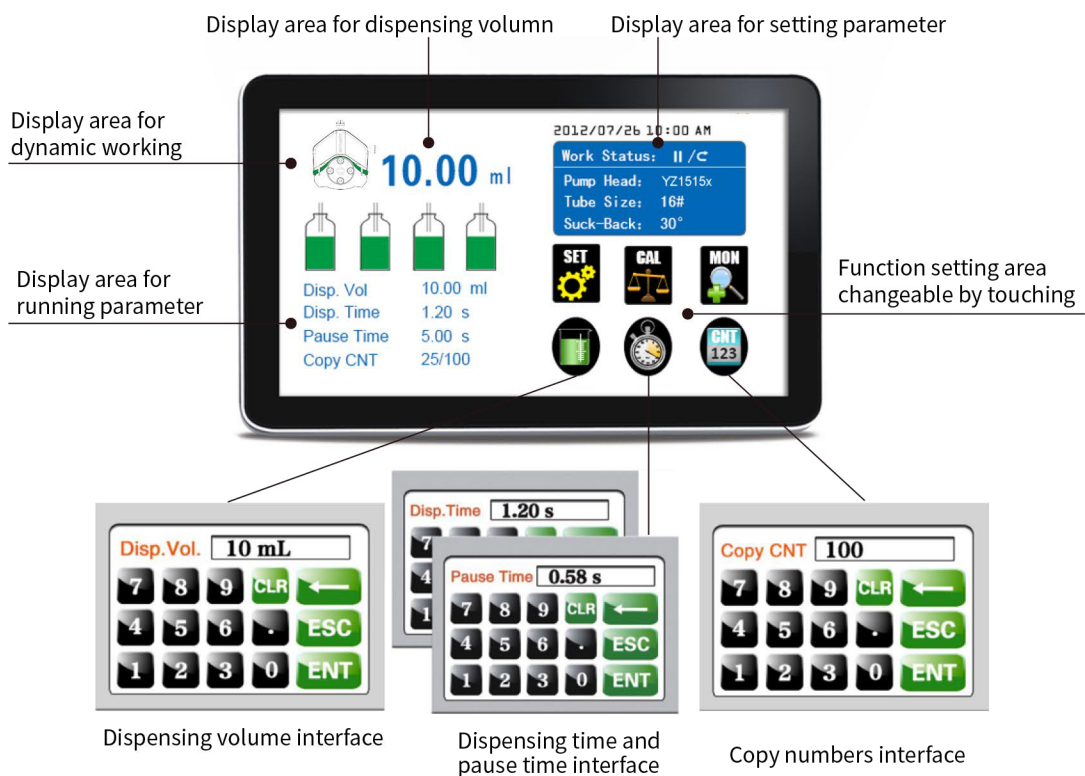
Product Features

- 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 Plus	YZ1515x	0.007-2280	Stepper motor	706×250×186mm	Each unit<50W	21.8kg
	YZ2515x	0.17-1740				

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	0-3600°	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 Plus	YZ1515x	PSF PPS	————	13#	0.8×1.6 (mm)	0.007~42
				14#	1.6×1.6 (mm)	0.027~162
				19#	2.4×1.6 (mm)	0.055~330
				16#	3.1×1.6 (mm)	0.082~492
				25#	4.8×1.6 (mm)	0.17~1020
				17#	6.4×1.6 (mm)	0.29~1740
				18#	7.9×1.6 (mm)	0.38~2280
	YZ2515x	PSF PPS	————	15#	4.8×2.4 (mm)	0.17~1020
				24#	6.4×2.4 (mm)	0.29~1740

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 Plus	YZ1515x YZ2515x	13#	0.1	0.5	±5ul	40	204.083
		13#	0.3	0.7	1.5	35	246.251
		13#	0.5	1	0.8	30	516.081
		13#	1	2	0.5	20	517.152
		14#	2	1	1	30	446.724
		14#	3	1.5	0.8	24	446.479
		19#	5	1.2	1	27	454.919
		16#	7	1	0.5	30	457.705
		25#/15#	10	1	1	30	303.426
		25#/15#	15	1	0.8	30	461.273
		25#/15#	20	1.2	0.5	27	518.945
		17#24#	30	1.2	0.8	27	462.725
		17#24#	50	2	0.5	20	461.595
		18#	50	2.5	0.5	17	427.274
		18#	100	3	0.5	15	446.583

Dimension Drawing (Unit:mm)

