

Integrated Filling System

Model No. : DF600 PlusIV



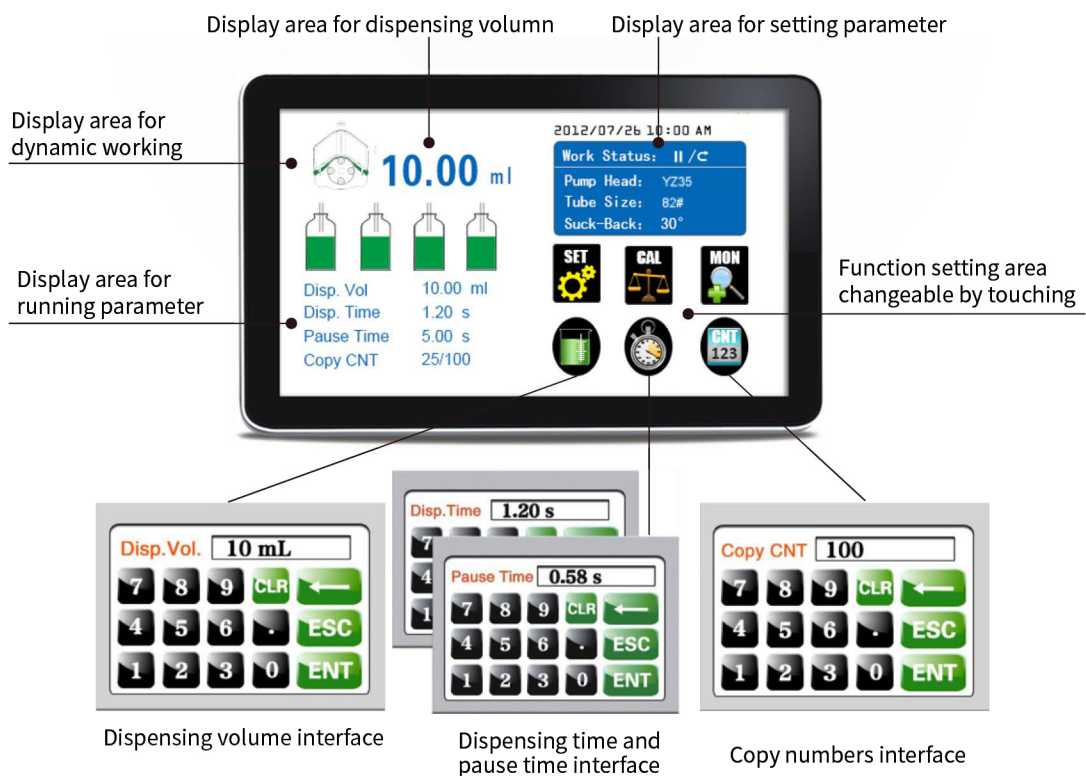
Product Features

- 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 PlusIV	YZ35	0.69-12000	Closed-loop stepper motor	1076×310×248mm	Each unit<300W	58.6kg

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	Output interface	Output motor working status (Open-Collector output)
Time resolution	0.01 s		
Copy numbers	1-9999 times,0 represent unlimited	Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Back suction angle	0-360°		
Filling accuracy	<±0.5%	Condition temperature	0-40°C
Display	4.3" industrial grade true color LCD screen	Relative humidity	<80%
Control method	Touch screen and mechanical keypad		

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 PlusIV	YZ35	Aluminum alloy/PPS	PP	26#	6.4×3.3 (mm)	0.69~4200
				73#	9.6×3.3 (mm)	0.12~7400
				82#	12.7×3.3 (mm)	0.2~12000

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 PlusIV	YZ35	26#	50	1	0.5	30	434.78
		26#	100	2	0.5	20	434.78
		73#	100	1.2	0.5	27	406.50
		73#	150	2	0.5	20	365.85
		82#	200	1.5	0.5	24	400.00
	2*YZ35	73#	100	1.2	0.5	27	203.25
		73#	200	1.5	0.5	24	325.20
		82#	500	2	0.5	20	375.00

Pump Head



YZ35(PPS)



YZ35(Aluminium Alloy)

Dimension Drawing (Unit:mm)

