

Integrated Filling System

Model No. : DF350 Plus



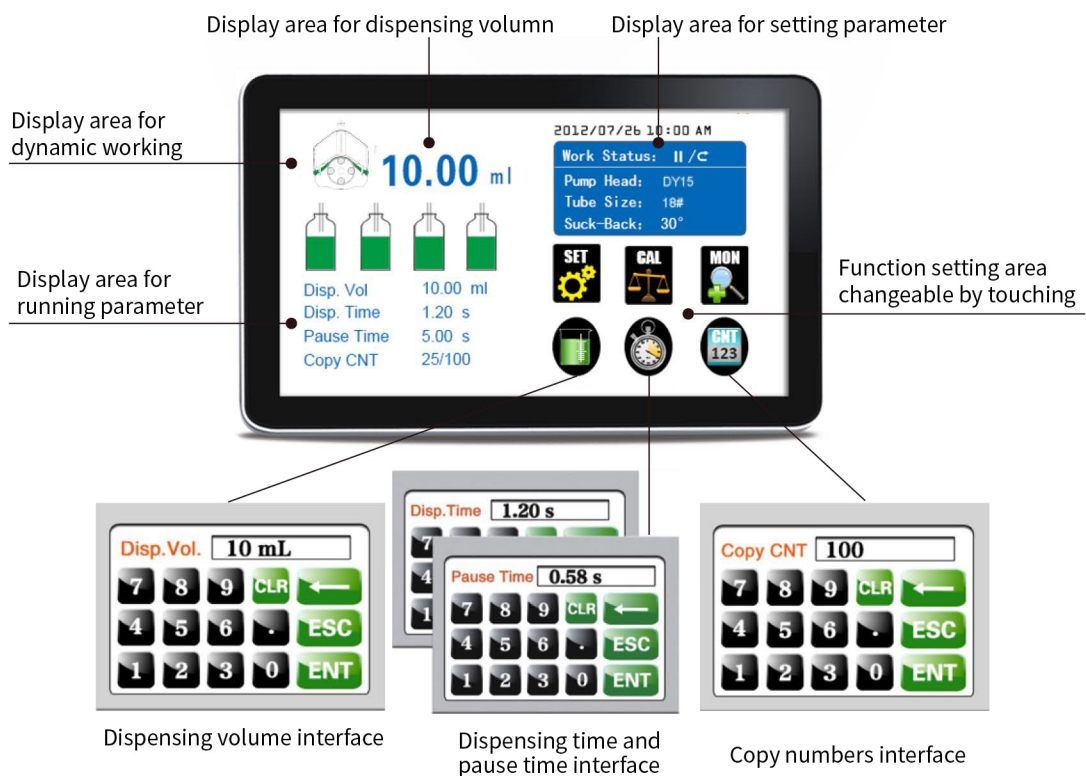
Product Features

- 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
DF350 Plus	DY15	0.01-3337	Closed-loop stepper motor	283×192×196mm	Each unit<180W	7.8kg
	DY25	0.42-4340				

Speed range	0.1-350 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 0.1~350rpm) Flow Rate mL/min
				Tubing Size	ID×Wall Thickness	
DF350 Plus	DY15	Aluminum alloy/PPS	PP	13#	0.8×1.6 (mm)	0.01~48
				14#	1.6×1.6 (mm)	0.06~223
				19#	2.4×1.6 (mm)	0.13~448
				16#	3.1×1.6 (mm)	0.2~723
				25#	4.8×1.6 (mm)	0.47~1626
				17#	6.4×1.6 (mm)	0.64~2230
	DY25	Aluminum alloy/PPS	PP	18#	7.9×1.6 (mm)	0.95~3337
				15#	4.8×2.4 (mm)	0.42~1480
				24#	6.4×2.4 (mm)	0.76~2670
				35#	7.9×2.4 (mm)	0.1~3600
				36#	9.6×2.4 (mm)	1.24~4340

Filling Volume Reference Parameter(Media is water)							
Drive	Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DF350 Plus	DY15	14#	0.5	0.5	0.8	40	94.19
		14#	1	0.6	0.8	38	156.99
		14#	3	1	0.5	30	282.57
		19#	5	1	0.8	30	234.38
		16#	15	1.5	0.5	24	290.42
		25#	20	1	0.5	30	258.29
		17#	30	1	0.5	30	282.53
		18#	100	2.5	0.5	17	251.73
	DY25	15#	10	0.8	0.8	33	177.35
		24#	30	1	0.8	30	235.94
		35#	70	1.5	0.5	24	242.21
		36#	100	2	0.5	20	241.94

Pump Head



DY15/DY25(Aluminium Alloy)



DY15/DY25(Aluminium Alloy)

Dimension Drawing (Unit:mm)

