



# Integrated Filling System

Model No. : DF350 Plus



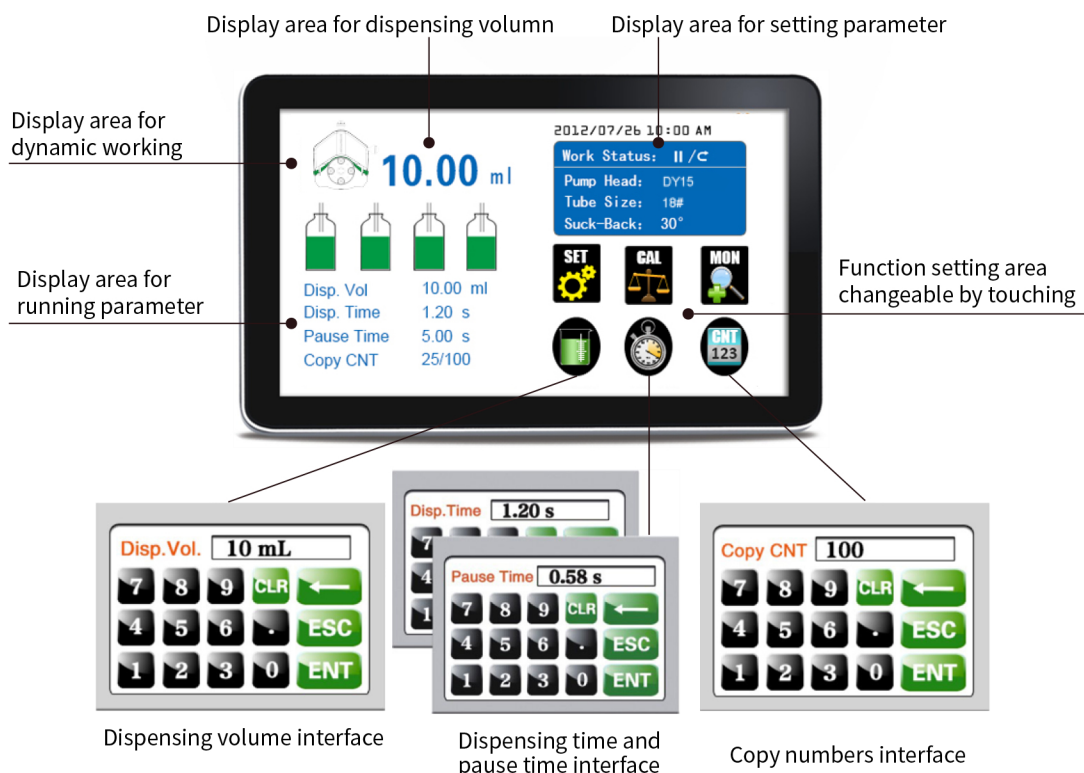
## Product Features

- 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)

