



# Integrated Filling System

Model No. : DF600 PlusIV



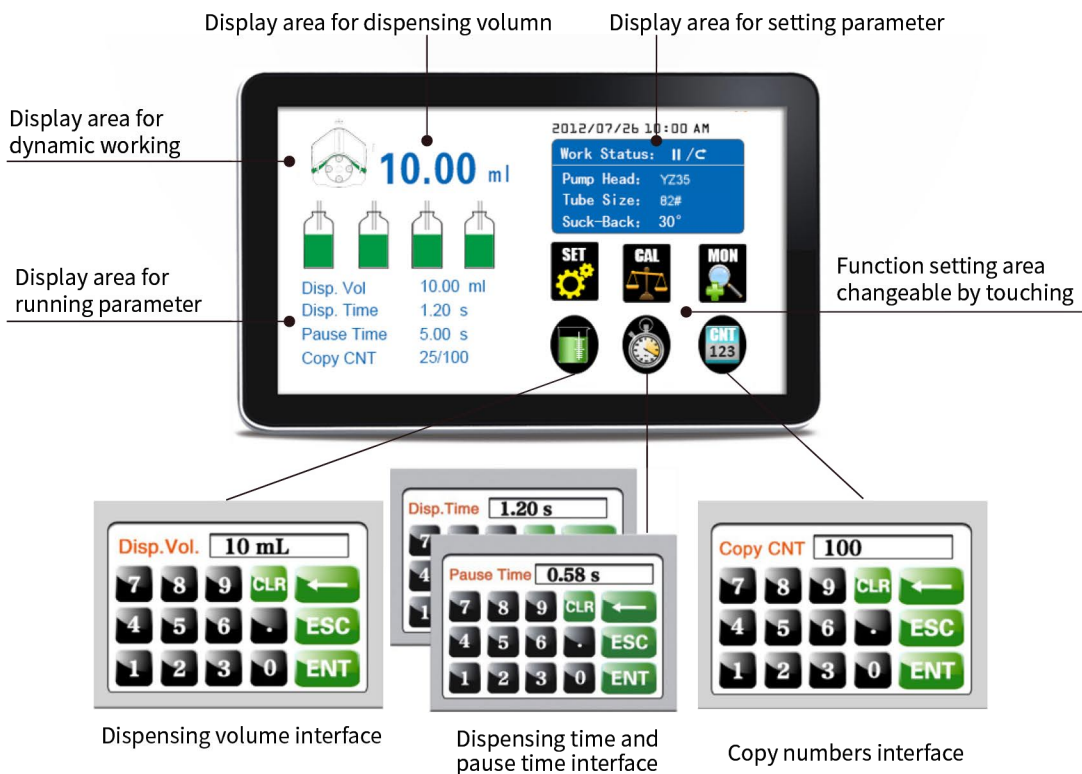
## Product Features

- 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	0-3600°		
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)**

