



# Integrated Filling System

Model No. : DF600 Plus



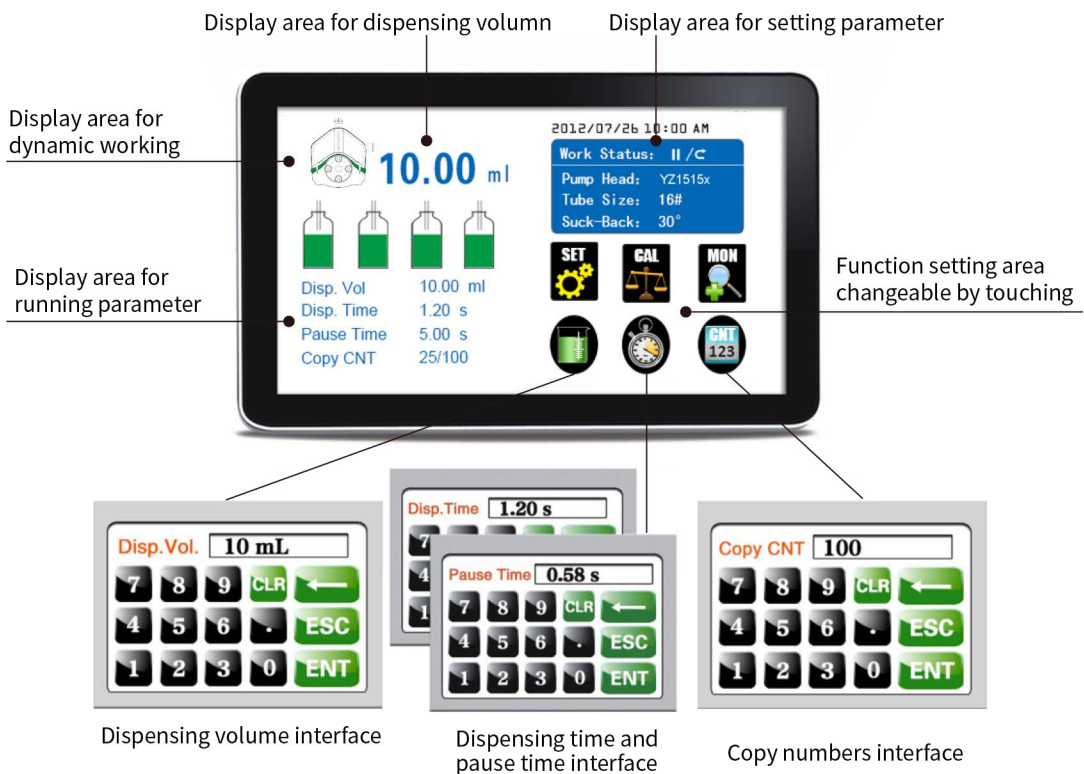
## Product Features

- 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)**

