

### Application

- ◎ Biopharmaceuticals
- ◎ Laboratories
- ◎ Industrial production
- ◎ Chemical additives



### Pump Head



### Features

- Full-color LCD graphic display screen
- Two driving options: stepper motor and brushless motor, with up to 6 pump heads in series
- Rotary encoder switch and touch keypad for operation
- Automatic recognition of foot switch, automatic jar filling function
- Accepts analog signal, 485 communication protocol

### Functions

Control method	Touch keypad, rotary knob switch
Speed resolution	Stepper: 0.1 rpm Brushless: 1 rpm
Display	2.8" LCD full-color screen
Program function	Timing, flow rate, filling
External control	Foot switch/ start/ rotation/speed/ 0-5V/ 0-10V/4-20mA/ MODBUS communication protocol

### Technical Specifications

Pump Head	153Yx	253Yx	DGx	DT	253D
Dimension(mm)	166*175*305.5	166*175*305.5	168.7*175*342	166*175*317	166*175*312
Net Weight	4.45KG(BT/1head) 4.55KG(WT/1head)	4.45KG(BT/1head) 4.55KG(WT/1head)	4.5KG (BT/4channel) 4.6KG(WT/4channel)	3.82KG (BT/4channel)	4.25KG (BT/1head)
rpm	0-600rpm	0-600rpm	0-600rpm	0-150rpm	0-600rpm
Flow Rate	0-2135ml/min	0-3365ml/min	0-940ml/min	0-50ml/min	0-6550ml/min
Max Channels	6	6	4	12	2
Power	≤54W(BT) ≤120W(WT)	≤54W(BT) ≤120W(WT)	≤54W(BT) ≤120W(WT)	≤36W(BT)	≤120W(WT)
Motor Type	Stepper/Brushless DC reducer			Stepper	Brushless DC reducer
Power Supply	AC 100-240V,50/60HZ				
Work Environment	Temperature range: 0°C (no freezing) to 60°C, relative humidity <85%RH				
Output Pressure	≤0.17MPa				
Housing Material	ABS Fireproof (outer box), carbon steel (inner box)				
Ingress Protection	IP31				

