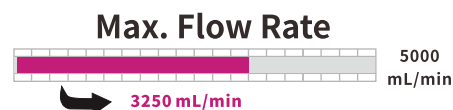


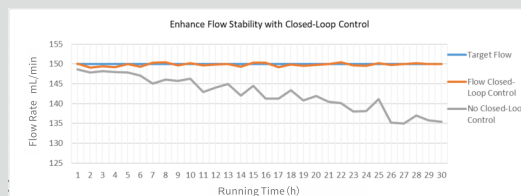
General flow rate pump



GF650-1B GF400-1B GF200-1B



Works with a flow meter to enable closed-loop automatic flow calibration in continuous mode, automatically compensating for flow fluctuations caused by changes in suction head, back pressure, and tubing wear to ensure stable and accurate delivery.



- The touchscreen combined with the physical buttons ensures simple, smooth, and reliable operation.
- The embedded flow meter closed-loop control algorithm enables stable constant-flow delivery with ease.
- Up to 65,000:1 turndown ratio with $\pm 0.1\%$ speed accuracy.
- Supports simultaneous multi-source control.
- Built-in three-level user access ensures operational safety.

Product model	GF200-1B		GF400-1B		GF650-1B	
Speed range	0.01-200rpm		0.01-400rpm		0.01-650rpm	
Speed resolution	0.01rpm (<100rpm) ;0.1rpm (≥100rpm)					
Speed accuracy	±0.1%					
Volume	0.001-9999, Optional units: uL, mL, L					
Time based dispensing count	0-999999,0 for unlimited					
Interval time	0.1s-9999h					
Running time	0.1s-9999h					
Calibration funtion	Flowrate calibration, volume calibration, auto-calibration with a flow meter (optional)					
Display	3.5-inch color LCD screen shows parameters and statuses, such as pump speed, flow rate, time, volume, etc.					
Running direction	Clockwise and counterclockwise					
Work mode	1.Continuous mode: continuous speed, continuous flow rate (displays the pump speed or flow rate) 2.Time mode:, time speed, time flow rate (supports repeatable time based dispensing) 3.Single volume mode:single delivery to a set volume					
Control mode	Touchscreen+ keypad control; foot switch / handheld dispenser control; external signal control; communication control.Multiple sources can be enabled simultaneously.					
External control	Start/stop control, direction control: 5V-24V logic level signal or relay signal (dry contact) Speed control: 4-20mA, 0-5V, 0-10V, 0-10kHz, the signal range and speed range can be configure on the pump.					
Communication control	RS485 interface, Modbus RTU protocol or Longer OEM protocol					
Status outputs	Pump speed: 10Hz/rpm, OC gate frequency signal Running/stop: 24VDC/ 0.1A relay, open for stop		Running direction: 24VDC/ 0.1A relay, close for clockwise Other alarms: 24VDC/ 0.1A relay, close for alarms			
User access control	Three levels of user accesses, configurable to enabled or disabled					
Key & screen Lock	The physical buttons and the touchscreen can be locked to prevent misoperation					
Pump status when powered up	The pump defaults to a stopped status on power-up. In continuous mode, the pump can be configured to resume the status before power-off.					
Prime	Fast filling or emptying at a user-configurable max speed.					
Power supply	AC100-240V 50/60Hz					
Power consumption	25W		45W		65W	
IP rating	IP31					
Dimensions (LxWxH)	225x145x165mm					
Weight (drive only)	2.65kg		2.85kg			
Operating condition	Environment temperature: 0°C-40°C, relative humidity:<80%					

Pump Head	Tubing	Max Flow Rate Reference (mL/min) (Single Channel)		
		GF200-1B	GF400-1B	GF650-1B
YZ1515X (3rollers)	13# 14# 19# 16# 25# 17# 18#	730	1460	2350
YZ1515X (6rollers)	13# 14# 19# 16# 25# 17# 18#	320	640	960@600rpm
YZ2515X	15# 24#	530	1060	1730
YZ15-13X (YZ II 15)	13# 14# 19# 16# 25# 17# 18#	730	1460	2380
YZ25-13X (YZ II 25)	15# 24# 35# 36#	1000	2000	3250
DMD15-13	13# 14# 19# 16# 25#	690	1380	2240
FG15-13	13# 14# 19# 16# 25# 17# 18#	800	1600	2600
FG25-13	15#24#	730	1460	2380
DG-1/2/4/6/8 (6rollers)	ID $\leq$ 3.17mm Wall Thickness 0.8mm-1.0mm	48@100rpm	48@100rpm	48@100rpm
DG-1/2/4 (10rollers)	ID $\leq$ 3.17mm Wall Thickness 0.8mm-1.0mm	32@100rpm	32@100rpm	32@100rpm
DG15-24	16# 25# 17#	600	1200	1950
DG15-28	13# 14# ID $\leq$ 3.17mm, Wall Thickness 0.8mm-1.0mm	75@100rpm	75@100rpm	75@100rpm