General Dispensing Pump

GD200-1C

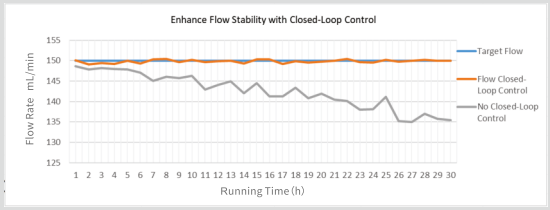
Max. Flow Rate

3000 mL/min

2000mL/min



Works with a flow meter to enable closed-loop automatic flow calibration in continuous mode, making it an ideal choice for long-duration uninterrupted flow reactors.



- The display features three distinct colored work modes: continuous mode,time mode, volume mode (dispensing mode).
- 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.
- Supports voice control, freeing the hands for contactless operation.
- Low noise design ensures a comfortable operating environment.
- Three-level user access with exportable log records provides reliable data for traceability, quality audits, and compliance.

Product model	**GD200-1C**
Speed range	0.01-200rpm
Speed resolution	0.01rpm (＜100rpm) ;0.1rpm (≥100rpm)
Speed accuracy	±0.1%
Dispensing volume	0.001-9999, Optional units: uL, mL, L
Dispensing count	0-999999,0 for unlimited
Interval time	0.1s-9999h
Running time	0.1s-9999h
Calibration funtion	Flow rate calibration, volume calibration, auto-calibration with a flow meter (optional)
Display	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: displays the pump speed or flow rate. 2.Time mode: supports repeatable time based dispensing. 3.Volume mode：supports repeatable volume based dispensing.
Control mode	Touchscreen+ keypad control; foot switch / handheld dispenser control; external signal control; communication control
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 configured 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.
Parameter recipes	100 dispensing parameter recipes can be saved and recalled easily in the volume mode.
Voice control	Control the pump start, stop/pause, direction, and full-speed operation via voice commands.
Scheduled start	Automatic countdown and start at a preset time (up to 99h 59min 59s)
User access control	Three-level user access management, configurable to enable or disable
Log record	Logs can be recorded, reviewed and exported. Up to 4,000 log entries can be stored on the pump.
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	60W
Noise(@ 1 meter)	≤55dB (A)
IP rating	IP32
Dimensions (LxWxH)	305mm×190mm×201mm
Weight (drive only)	5.5kg
Operating condition	Environment temperature:0°C-40°C, relative humidity:<80%

Pump Head	Tubing	Max Flow Rate Reference (mL/min) (Single Channel)
(1, 2, 3, 4) *YZ1515X (3rollers)	13# 14# 19# 16# 25# 17# 18#	730
(1, 2, 3, 4) *YZ1515X (6rollers)	13# 14# 19# 16# 25# 17# 18#	320
(1, 2, 3, 4) *YZ2515X	15# 24#	530
(1, 2, 3, 4) *YZ15-13X (YZ II 15)	13# 14# 19# 16# 25# 17# 18#	730
(1,2) *YZ25-13X (YZ II 25)	15# 24# 35# 36#	1000
(1,2) *DMD15-13	13# 14# 19# 16# 25#	690
FG15-13	13# 14# 19# 16# 25# 17# 18#	800
FG25-13	15# 24#	730
KZ25-13	15# 24# 35# 36#	2000
PFH01	(ID0.5-3.2)*1.6mm; See operation manual for details.	90
PFH02	(ID0.6-4.8)*2.4mm; See operation manual for details.	523
DG-1/2/4/6/8/12/16/24 (6rollers)	ID≤3.17mm; Wall Thickness 0.8mm-1.0mm	48@100rpm
DG-1/2/4/6/8/12/16/24 (10rollers)	ID≤3.17mm; Wall Thickness 0.8mm-1.0mm	32@100rpm
DG15-24	16# 25# 17#	600
DG15-28	ID≤3.17mm; Wall Thickness 0.8mm-1.0mm 13# 14#	75@100rpm
DG15-48	ID≤3.17mm; Wall Thickness 0.8mm-1.0mm 13# 14#	75@100rpm

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Portable Dispenser

PD-XX

- Ideal for low-volume dispensing. Provides the same functionality as a foot-switch and can be magnetically attached to the side bracket of the pump drive to avoid contaminating the tubing outlet.
- The handheld dispenser contains an internal magnet and is not suitable for applications involving magnetically sensitive media.
- The tubing or stainless steel filling needle can be securely clipped into the handheld dispenser.





Tubing and filling needle



Tubing only



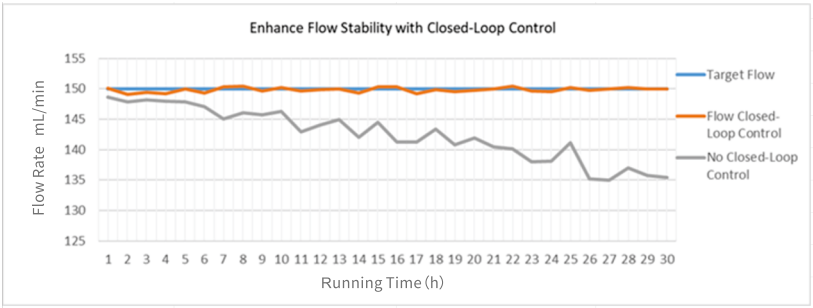
Stainless steel filling needle

Accessory	Model	Product Code	Tubing No.	Note
Bracket	PD-XX	05.45.90A	/	Mounted to the side of the pump drive
Dispenser	PD-13	05.46.14A	13#	3.5mm audio jack Cable length: 2 m
	PD-14	05.46.14B	14#	
	PD-19	05.46.14C	19#	
	PD-16	05.46.14D	16#	
	PD-25	05.46.14E	25#	
	PD-17	05.46.14F	17#	
	PD-15	05.46.14G	15#	
	PD-24	05.46.14H	24#	
Filling needle (optional)	0.6×2×60	05.46.35A	13#,14#	Material: 316 Stainless Steel
	1×3×60	05.46.35B	19#	
	4×6×60	05.46.35C	16#,25#,15#	
	5×8×60	05.46.35D	17#,24#	

Flow Meter Feedback Kit

Supplied and installed as one set: Controller, flow sensor and clamp assembly.
The accessory corresponds to the specific tubing size.





Controller	Flow sensor	Clamp assembly	Tubing
FD-XA1 05.49.57A	FD-XS1 05.49.56A	FD-XC1R2 05.49.55A	13# 14#
	FD-XS8 05.49.56B	FD-XC8R1 05.49.55B	19#
		FD-XC8R2 05.49.55C	16#
		FD-XC8R3 05.49.55D	25#
	FD-XS20 05.49.56C	FD-XC20R1 05.49.55E	15#
		FD-XC20R2 05.49.55F	17#
		FD-XC20R4 05.49.55G	35#

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