

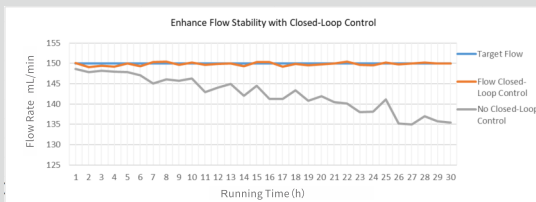
# General Dispensing Pump

## GD200-1C

Max. Flow Rate



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               | <b>GD200-1C</b>                                                                                                                                                                                                  |  |
| 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 function        | 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)<br>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.<br>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.<br>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                                         |