

Dual Syringe Pump



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|---|---|---|
| High-precision stepper motor-driven syringe mechanism | | User-friendly cleaning process |
| | User-friendly control interface with PiLAB Software | |
| Dual Syringe for Continuous flow | | Syringes can assemble for respective solvents |
| | Syringe Temperature upto 120°C | |

Key Features & Capabilities

- Dual Syringe Pump with Addition and pH Control**
 Enables precise reagent dosing with integrated support for addition control and pH maintaining.
- Continuous, Pulse-Free Flow Operation**
 Maintains uninterrupted flow by alternating pump operation—one syringe dispenses while the other refills, and vice versa.
- Multiple Valve Support per Reactor Block**
 Supports multiple valves for each individual reactor block, enabling flexible fluid routing and process control.
- Simple, User-Friendly, and Optimized Cleaning Process**
 Designed for easy operation with an optimized cleaning workflow to reduce solvent usage and downtime.
- Industrial Communication Interfaces**
 Ethernet and RS-485 communication support for seamless integration with external controllers and automation systems.

- **Compact and Space-Efficient Design**

Designed to fit conveniently alongside the Polstat 3500, minimizing laboratory or system footprint.

- **Wide Flow Rate Range**

Supports precise flow control from 0.2 mL/min to 12 mL/min, depending on syringe size and configuration.

- **High Reagent Temperature Compatibility**

Supports reagent temperatures up to 120 °C, suitable for high-temperature process applications.

Technical Parameters

| Specifications | |
|------------------------------|---|
| Accuracy | ≤1%@100% rated stroke |
| Precision (Repeatability) | 0.3%~0.5%@100% rated stroke |
| Rated stroke (control steps) | 60mm(6000 steps) |
| RPM Range | 900rpm |
| Resolution | 0.01mm (per step) |
| Syringe configuration | 25ml |
| Valve Model(available) | M06 |
| Wetted material | Borosilicate glass, PTFE, Sapphire, PCTFE |
| Max. Pressure Rating | 0.7Mpa |
| Actuator | Trapezoidal screw (Lead 6mm) |
| Connection | 1/4-28UNF |
| Communication | Ethernet/RS485:38400bps |
| Communication address | Dip switch 0 and 1 |
| Power supply | DC24V/3A |
| Operating temperature | 5 °C ~ 55 °C |
| Operating humidity | <80% relative humidity, non-condensing |
| Dimension(W*D*H) | 170*240*285mm |
| Net weight | 11kg approx |

Note: For Ordering Information Contact Sales Team.

Office: POLMON VESNER PVT.LTD
 Plot No. 11 to 16, TSIIC - EPIP
 Pashamylaram, Patancheru mandal Sangareddy Dist. - 502307
 Ph No: 08455223521 / 22 / 24
 e-mail: polmon@polmon.com URL: www.polmon.com

All specifications are subject to change without notice.
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