

SiELC



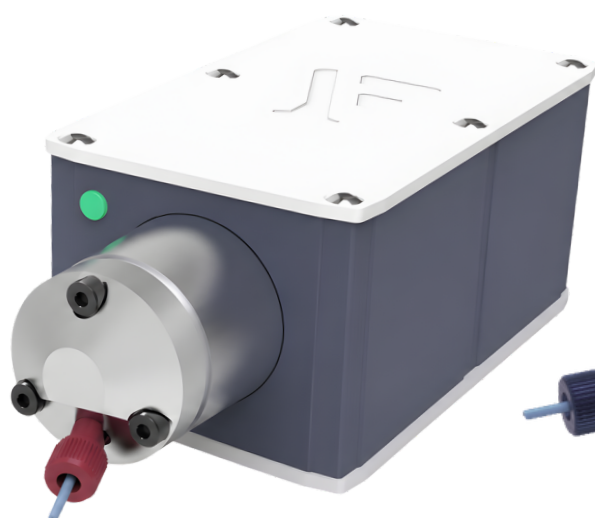
ALLTESTA™
LP MINI SYRINGE PUMP

ALLTESTA™ Mini LP Syringe Pump

Introduction

The Alltesta™ Mini LP Syringe Pump is a compact and precise liquid delivery pump designed for analytical instrumentation, laboratory automation, and OEM integration. The pump provides stable, pulse-free flow from 0.001 to 8 mL/min and is available with 4.0 mL low-pressure and 120 µL high-pressure syringe configurations. The 4.0 mL low-pressure version is also available in a metal-free configuration featuring a ceramic cylinder and PEEK pump head.

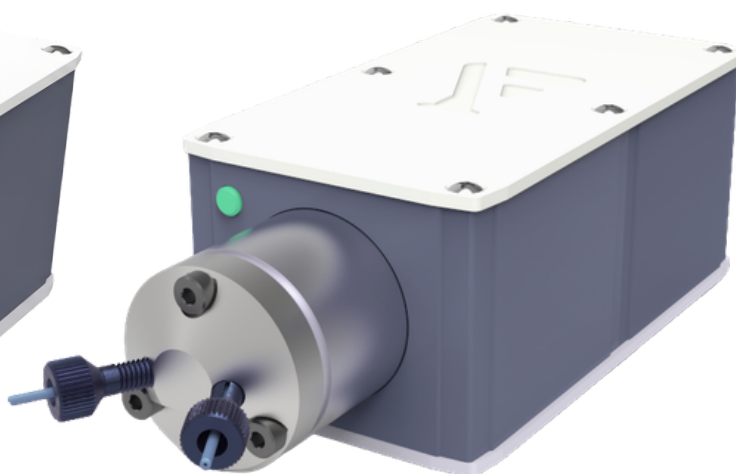
Its compact footprint, chemically resistant wetted materials, and open serial communication protocol make the Alltesta™ Mini LP Syringe Pump an ideal solution for reliable and reproducible fluid handling in both standalone and integrated systems.



4.0 mL Syringe Configuration

Up to 200 psi

Stainless steel or metal-free



120 µL Syringe Configuration

Up to 1000 psi



Two syringe configurations provide flexible flow and pressure capabilities for a wide range of analytical and OEM applications.

Special Features

- **Pulsation-Free Flow**
Provides smooth, continuous flow for stable liquid delivery.
- **Multiple Configurations**
4.0 mL or 120 µL syringe, with a metal-free 4.0 mL option.
- **Chemically Resistant Flow Path**
Wetted materials resist a wide range of laboratory solvents.
- **Wide Flow Rate Range**
Supports flow rates from 0.001 to 8 mL/min.
- **Compact Design**
Compact footprint allows easy integration into instruments.
- **Easy System Integration**
Open serial control simplifies integration into custom systems.

Key Advantages

 Pulsation-Free Flow Stable liquid delivery	 Easy Integration OEM-ready design	 Wide Flow Range 1 µL/min–8 mL/min	 Compact Footprint Space-saving design
 Pressure Capability 200 psi / 1000 psi	 Flexible Wetted Materials Stainless steel or metal-free configuration	 Reliable Performance Stable and reproducible flow	 Serial Protocol Control Full pump control & system integration

Software & Connectivity

- >_ Open Serial Protocol for complete pump control and system integration.
- >_ Virtual COM Port (VCP) drivers are available for system communication and integration.

Technical Specifications

Alltesta™ Mini LP Syringe Pump (Standard configuration)

Dimensions (WHL)	63 × 52 × 145 mm / 2.48 × 2.05 × 5.71 in
Weight	0.61 kg / 1.35 lb
Syringe volume	4.0 mL or 120 µL
Configuration Options	4.0 mL, stainless steel 4.0 mL, metal-free 120 µL, stainless steel
Power Requirement	24 VDC
Current Requirements	Up to 2.5 A
Flow Rate Range	0.001 to 8 mL/min
Flow Rate Accuracy	1% of full-scale
Maximum working pressure	200 psi (4.0 mL syringe) / 1000 psi (120 µL syringe)
Operating Temperature	0 to 40 °C, non-condensing
Inlet/Outlet	Thread 10-32 UNF compression type
Materials in contact with liquid	Stainless-Steel Configuration SS316, PTFE, PEEK, UHMW Metal-Free Configuration Ceramic cylinder and PEEK pump head
Communication	Open serial protocol with complete pump control and system integration.

Call to Action

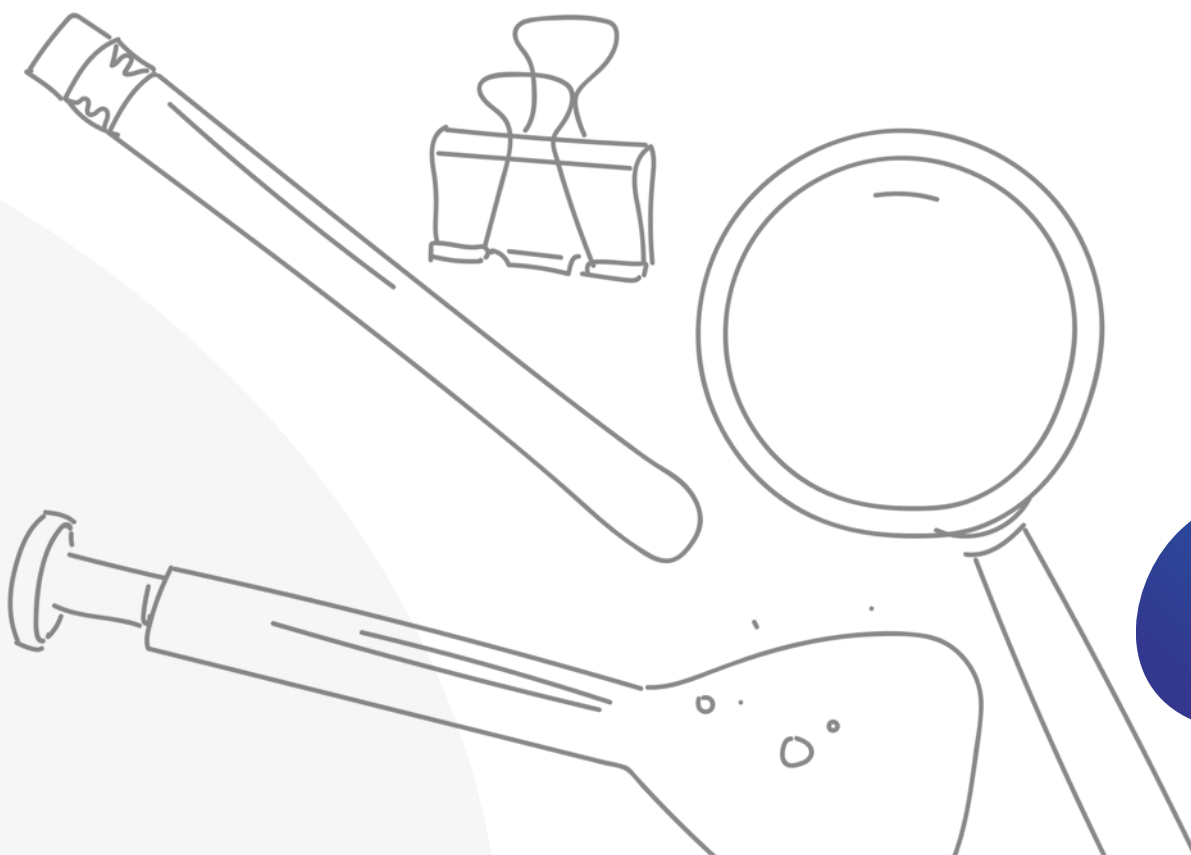
Unlock Precise and Reliable Fluid Delivery

- Contact us to place an order or ask questions.
- Request a consultation to discuss your application.
- Schedule a demonstration to see the pump in action.
- Visit our website or scan the QR code below for more details.

Conclusion

The Alltesta™ Mini LP Syringe Pump combines pulse-free flow, a wide 0.001–8 mL/min operating range, two syringe configurations, and an open communication interface in a compact, integration-ready platform.

Whether used as part of an analytical instrument, automated laboratory system, or custom OEM solution, the pump provides reliable and reproducible liquid delivery in a remarkably small footprint.





Contact Us

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