

SiELC

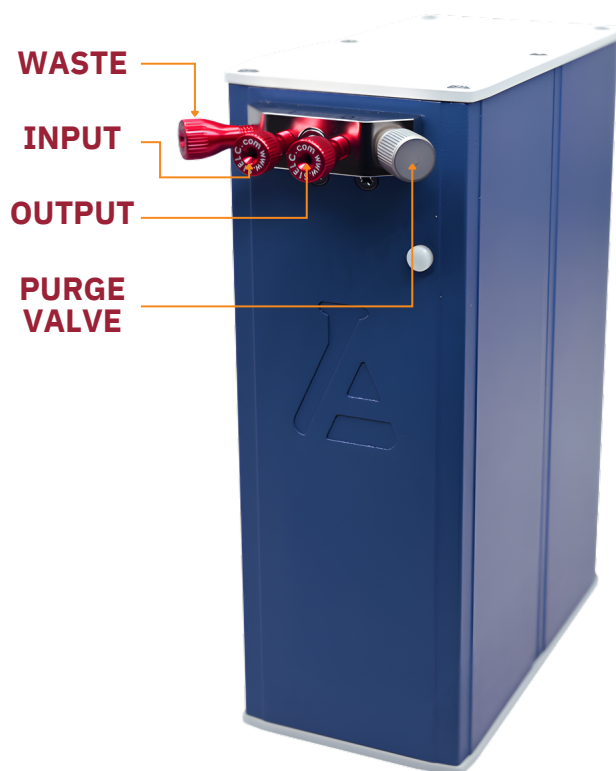


ALLTESTA™
HP MINI SYRINGE PUMP

ALLTESTA™ Mini HP Syringe Pump

Introduction

The Alltesta™ Mini High Pressure Syringe Pump is a compact, high-performance pump engineered to deliver precise, pulsation-free flow from 1 $\mu\text{L}/\text{min}$ to 8 mL/min at pressures up to 3000 psi (206 bar). Available with or without an integrated purge valve, it provides exceptional flexibility for HPLC, flow injection analysis (FIA), microfluidics, and other analytical or OEM applications. Its compact design, wide operating range, and seamless USB integration make it an ideal solution for reliable high-pressure fluid delivery.



Purge Valve Configuration
With Integrated Purge Valve



Standard Configuration
Without Integrated Purge Valve



Available with or without an integrated purge valve to match a wide range of analytical and OEM applications.

Special Features

- **Pulsation-Free Flow**
Stable, pulse-free liquid delivery for maximum precision.
- **High Pressure up to 3000 psi**
Reliable operation at pressures up to 206 bar (3000 psi).
- **Wide Flow Range**
Flow rates from 1 μ L/min to 8 mL/min.
- **Constant Flow & Pressure Modes**
Supports both constant flow and constant pressure operation.
- **Fast Automatic Refilling**
Refills the syringe in less than one minute.
- **Available with Purge Valve**
Choose a standard pump or a version with an integrated purge valve.

Key Advantages

 Pulsation-Free Flow Stable liquid delivery	 3000 psi Pressure Continuous operation	 Wide Flow Range 1 μ L/min–8 mL/min	 Dual Operating Modes Flow or pressure control
 <1 Minute Refill Fast automatic refill	 Purge Valve Option Standard or integrated	 Easy Integration OEM-ready design	 USB/Serial Control Open communication

Software & Connectivity

-  Direct Serial Commands – Serial Alltesta™ protocol

Technical Specifications

Alltesta™ Mini UV-Vis Detector (Standard configuration)

Dimensions (WHL)	63x167x128 mm / 2.48×6.57×5.04 in
Weight	1.65 kg / 3.7 lb
Syringe volume	5.8 mL
Power Requirement	24 VDC
Current Requirements	Up to 2.5 A
Flow Rate Range	0.001 to 8 mL/min
Speed Accuracy	1% of full-scale
Maximum working pressure	3000 psi (206 bar) continuous
Pressure accuracy measurement	±1 psi
Operating Temperature	0 to 40° C, non-condensing
Inlet/Outlet	Thread 10-32 UNF compression type
Materials in contact with liquid	SS316, PTFE, PEEK, UHMW
Communication	The primary method of communication with the device is via a UART interface using an FTDI driver, as the device incorporates an FTDI chip.

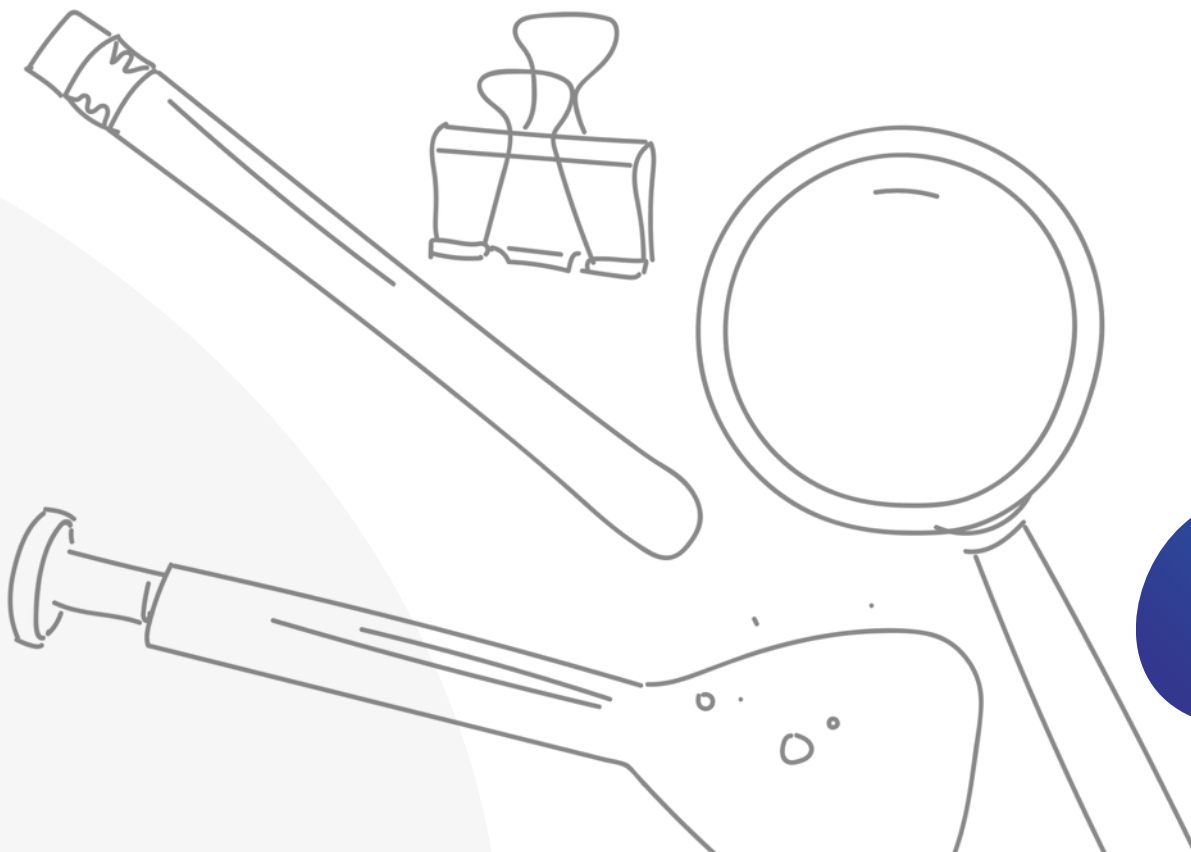
Call to Action

Unlock the Full Potential of Precision 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 High Pressure Syringe Pump combines compact design, pulsation-free flow, high-pressure performance up to 3000 psi (206 bar), and flexible system integration in a single device. Available with or without an integrated purge valve, it is an ideal solution for HPLC, microfluidics, flow injection analysis, analytical research, and OEM applications.





Contact Us

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