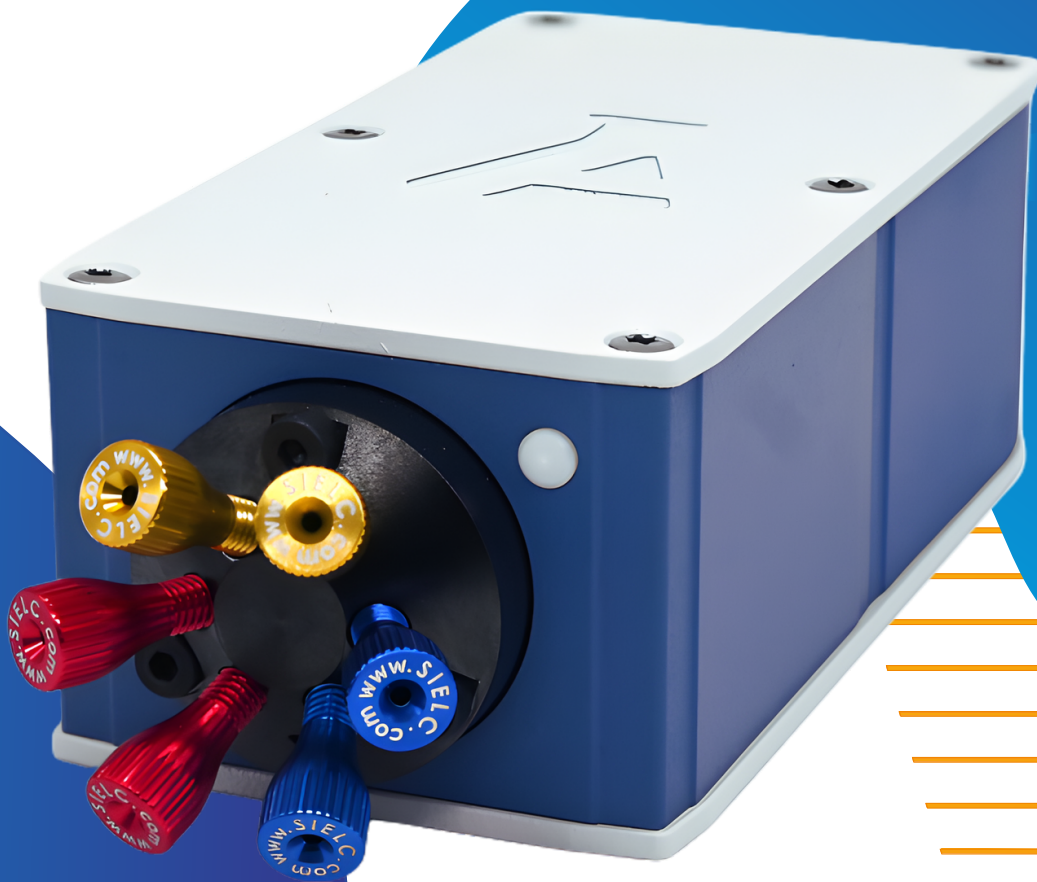


SiELC



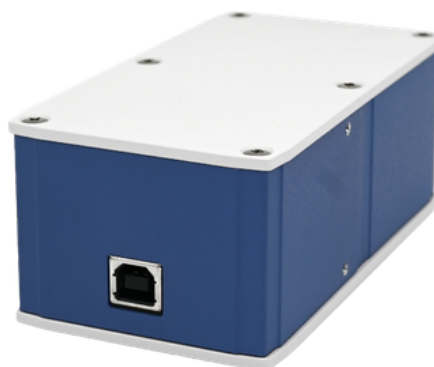
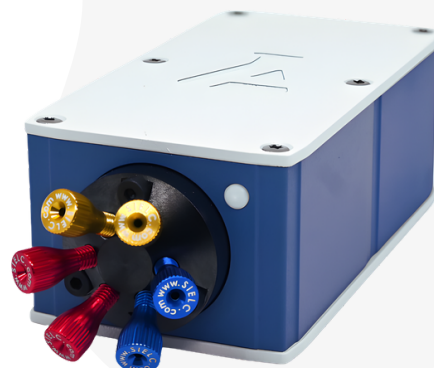
ALLTESTA™
MINI SWITCHING VALVE

Introduction

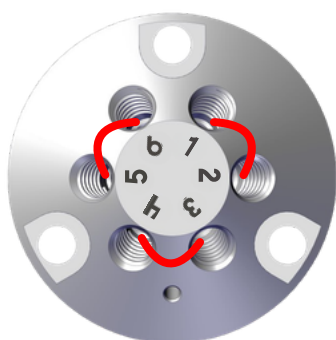
The Alltesta™ High-Pressure Switching Valve is designed for reliable flow-path switching in chromatography, laboratory automation, and analytical systems.

Available in **6×2**, **7×6**, and **9×10** configurations, the valve supports a variety of fluid-routing applications, including column switching, solvent selection, sample injection, and automated fluid handling. The standard 6×2 configuration operates at pressures up to 5000 psi (345 bar) and provides fast 200 ms switching for a 60° rotation.

Chemically resistant wetted materials provide compatibility with a wide range of laboratory solvents, while the open serial protocol enables direct valve control and integration into automated, OEM, and custom analytical systems. Custom valve configurations are also available upon request to meet specific application and integration requirements.



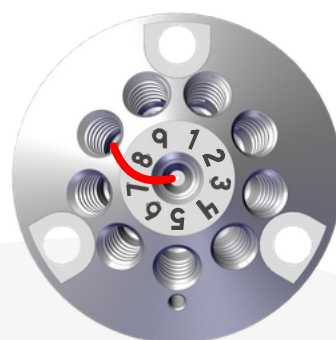
Available Valve Configurations



6 x 2 Valve



7 x 6 Valve



9 x 10 Valve



Multiple valve configurations provide flexible fluid routing for a wide range of analytical and laboratory applications.

Special Features

- **High-Pressure Operation**
Handles pressures up to 5000 psi in standard configuration.
- **Multiple Configurations**
Available in 6×2, 7×6, and 9×10 valve configurations. Custom configurations are available upon request.
- **Chemically Resistant Flow Path**
Wetted materials include SS316, PTFE, PEEK, and Vespel®.
- **Fast Switching**
Provides 60° valve switching in just 200 milliseconds.
- **Compact Design**
Compact footprint allows easy integration into instruments.
- **Serial Protocol Control**
Supports direct device control through serial commands.

Valve Position Indication

For the six-position valve, color-coded LEDs provide quick visual identification of the current valve position. The integrated push button allows manual switching between valve positions.



Position 1 – Green



Position 2 – Navy



Position 3 – Purple



Position 4 – Blue



Position 5 – Red



Position 6 – White

Software & Connectivity



Open Serial Protocol

Direct command control for custom automation and OEM integration.



Manual Control

Front-panel button allows direct valve position switching.

Technical Specifications

	Alltesta™ Mini Switching Valve (Standard configuration)	Alltesta™ Mini Switching Valve (Customizable configuration)
Dimensions (WHL)	63 x 46 x 128 mm / 2.48 x 1.81 x 5.04 in	
Weight	0.45 kg / 0.95 lb	depends on configuration
Pressure	5000 psi (345 bar)	depends on configuration
Power Requirements	USB type B	depends on configuration
Valve options	6×2	6×2 7×6 9×10 7×6* 6×2* *other rotor
Switching speed for 60 degree	200 ms	depends on configuration
Inlet/Outlet	10-32 UNF compression-type thread	
Materials in contact with liquid	SS316, PTFE, PEEK, Vespel®	
Communication	UART interface (primary communication method)	

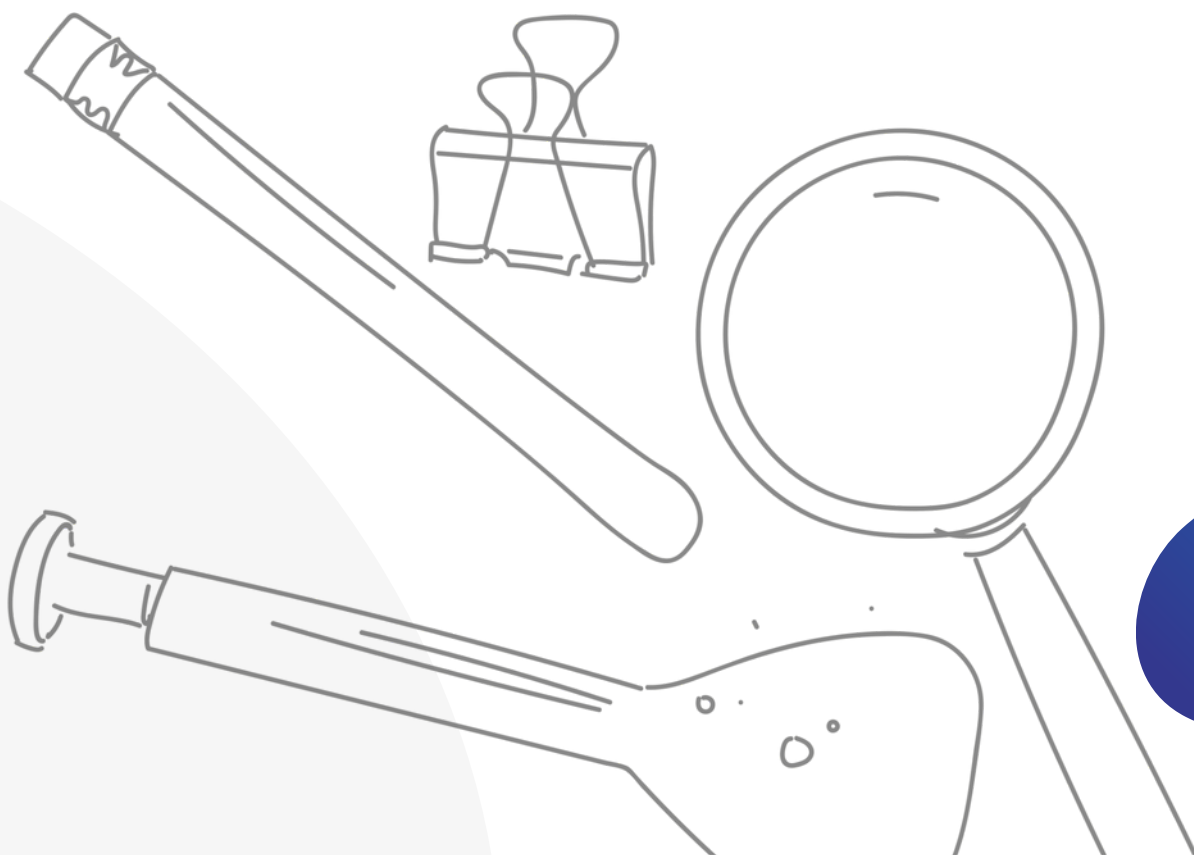
Call to Action

Optimize Your Fluid Handling System

- Contact us to select the valve configuration that best fits your application.
- Discuss custom configurations and integration options with our team.
- Request additional technical information or integration support.
- Visit our website or scan the QR code below for more details.

Conclusion

The Alltesta™ High-Pressure Switching Valve combines compact design, fast switching, high-pressure operation, and flexible control in a single device. With multiple valve configurations and chemically resistant wetted materials, it provides a versatile solution for chromatography, laboratory automation, and custom fluid-handling systems.





Contact Us

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