



smolsys ltd.



High Vacuum Technology

Swiss Precision for Demanding Environments

High Vacuum Technology

smolsys high vacuum valves are engineered for absolute reliability in critical applications. From tritium handling and isotope laboratories to cutting-edge research and industrial use.

Designed, tested, and used in-house, our dual-sealed all-metal valves combine compact form with robust functionality to ensure safe operation even under extreme conditions.



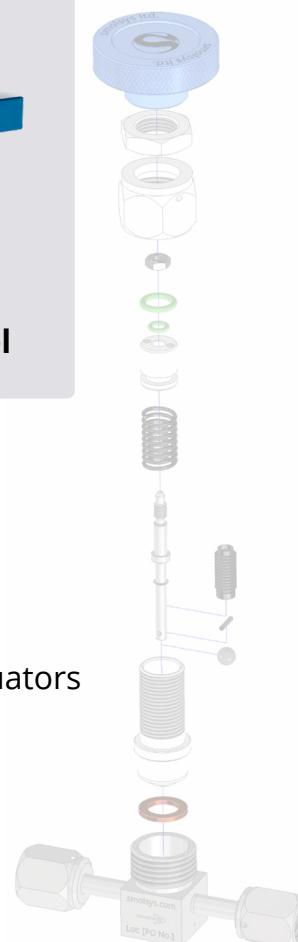
All steel



Dual sealed



Lockable handwheel



Facts

- ¼ to 1.5 inch product lines of face sealed and pipe fitting products
- All steel (316L) bellow valves, pneumatic actuators
- Fittings and accessories (metal seals, rails...)
- Custom high-temperature heaters and vacuum chambers

Ultra High Vacuum Valves

Leak rate: 5×10^{-9} mbar*l/s
Maximum working pressure: 40 bar
Working temperature range: - 50 to + 160 deg. C
End connectors: Face Seal
Dual safety guaranteed by: Compatible to other brands
Material: Spindle O-Rings
All stainless steel

Pneumatic Actuator

Line Pressure: >6 bar
Dual Indication: Via open & close sensor
High Performance: Suitable for steel tip valves
Flexible: Retrofit without valve removal
Fully machined: High grade air craft aluminium
Open / closed position: Standard = Pressureless closed

Smart Solutions

- Lockable handwheel for critical systems
- Fast and easy exchange with rail system
- Blow-out/ blow-in preventor



Built for precision. Made to last.



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