

Cole-Parmer® Needle Valves

PTFE

Cole-Parmer®



These durable PTFE needle valves are designed for regulating corrosive gases and liquids or for high-purity service. They may also be used as shutoff valves and in pressure or noncritical vacuum service.

The simple design includes only seven components, including a single PTFE O-ring, assuring reliability and minimizing sources of leakage. It takes seconds to disassemble the valve for cleaning and maintenance. The PTFE O-ring is radially compressed, allowing the degree of compression to be adjusted without disassembly by tightening the hexagonal bushing.

APPLICATIONS

- Semiconductor manufacturing
- Chemical processing
- Water treatment
- Food and beverage
- Pharmaceuticals

FEATURES/BENEFITS

- Fluids contact PTFE and PCTFE only
- Non-fluid contacting shell and bushing are made of stainless steel
- Constructed of a PTFE body and O-ring with PCTFE valve spindle

Specification and Ordering Table

Max Flow Rate (mL/min)		Connection	Flow Coefficient (Cv)	Orifice Size: in. (mm)	Max Pressure: psi (bar)	Max Temperature	Item Number
Air	Water						
2400	130	1/8" NPT(F)	0.011	0.125" (3.175)	75 (5.2)	65 °C (150 °F)	15306-01
2400	130	1/4" Compression	0.011	0.125" (3.175)	75 (5.2)	65 °C (150 °F)	15306-03
55,000	2800	1/8" NPT(F)	0.25	0.125" (3.175)	75 (5.2)	65 °C (150 °F)	15306-02
55,000	2800	1/4" Compression	0.25	0.125" (3.175)	75 (5.2)	65 °C (150 °F)	15306-04

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*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.