

534 SERIES ADJUSTABLE RELIEF VALVES



The 534 Series adjustable relief valves are designed for use with high purity gas systems as protection for low pressure components of systems sensitive to over pressurization. Most commonly, these controls are found as relief valves for regulators, line systems, and distribution systems. A variety of adjustable ranges affords a wide selection of applications in several different services. Adjustments to the factory-set relief pressure can be made easily using a 1/8" Allen wrench.



5345923-01-001 shown

Typical Applications

- High Purity Semiconductor Gas Systems
- Biotech and Pharmaceutical Applications
- Environmental Control Systems
- Analytical Laboratories

Features

High Flow Design maintains system integrity under high pressure

Factory Set Relief Pressure eliminates need for additional adjustments and maintenance

Choice of Seal Material facilitates a broad range of gases and applications

Adjustable Pressure Range allows for safe use in a variety of operational conditions

Materials and Specifications

Body: Brass or 316 stainless steel

Spring: 302 stainless steel

Poppet: 304 stainless steel

Cv: 0.37

Inlet Connection: 1/4" MNPT

Outlet Connection: 1/4" FNPT

Weight: 0.1 lb (0.05 kg)

534 SERIES ADJUSTABLE RELIEF VALVES



Ordering Information

Part No.	Description	Relief Pressure Range**
5342921-01-001*	Brass barstock body and fittings; FKM seals	10 to 20 PSIG (0.6 - 1.4 BAR)
5342922-01-001*	Brass barstock body and fittings; FKM seals	20 - 100 PSIG (1.4 - 7 BAR)
5342923-01-001*	Brass Barstock body and fittings; FKM seals	100 to 250 PSIG (7 - 17 BAR)
5342924-01-001*	Brass barstock body and fittings; FKM seals	250 to 500 PSIG (17 - 34 BAR)
5344921-01-001*	316L stainless steel barstock body and fittings; FKM seals	10 to 20 PSIG (0.6 - 1.4 BAR)
5344922-01-001*	316L stainless steel barstock body and fittings; FKM seals	20 - 100 PSIG (1.4 - 7 BAR)
5344923-01-001*	316L stainless steel barstock body and fittings; FKM seals	100 to 250 PSIG (7 - 17 BAR)
5344924-01-001*	316L stainless steel barstock body and fittings; FKM seals	250 to 500 PSIG (17 - 34 BAR)
5345921-01-001	316L stainless steel barstock body and fittings; Kalrez seals	10 to 20 PSIG (0.6 - 1.4 BAR)
5345922-01-001	316L stainless steel barstock body and fittings; Kalrez seals	20 - 100 PSIG (1.4 - 7 BAR)
5345923-01-001	316L stainless steel barstock body and fittings; Kalrez seals	100 to 250 PSIG (7 - 17 BAR)
5345924-01-001	316L stainless steel barstock body and fittings; Kalrez seals	250 to 500 PSIG (17 - 34 BAR)

**Relief valves with FKM seals not for use with CO₂, N₂O, or Ammonia gas service*

***For factory-set relief pressure, substitute the pressure for the final three digits (e.g., for a 316L stainless steel relief valve with Kalrez seals set to 50 PSIG, Part Number = 5345922-01-050)*

Use 001 for no factory preset