

Adjustable Relief Valve 900-7500 psi 1/4" MNPT Aluminum

SKU: 1607

Price: 788.00



Description

A Pressure Relief Valve (also known as a Safety Valve, Overpressure Relief Valve, or simply a Relief Valve) limits the amount of pressure in a compressed gas system. Without such a valve in place, pressure could build up beyond what the system is designed for and cause equipment failure. The Pressure Relief Valve opens at a designed “set pressure” to protect the system against failure from being overpressurized.

Specifications

Type	Relief Valve
Special Features	Safety wire holes on device, but no safety wire included
Adjustment Range	900-7500 psi ¹
Maximum Rated Pressure	7500 psi
Inlet Port Size	1/4" MNPT
Outlet Port Size	Side vent; not captured
Flow Capacity	50 SCFM at 1500 psi 100 SCFM at 3000 psi
Fluids	Gas or Liquid
Outlet Pressure Rating	Atmosphere
Leakage	Bubble tight
Weight	2.1 oz (60 g)
Overall Length	2.2 to 2.5" depending on set pressure
Hex Diameter	7/8"
Operating Temperature	-40°F (-40°C) to +160F (71°C)

Body Material	Anodized Aluminum
Internal Materials	Brass
	Stainless Spring
Seal Materials	Viton
Flow Coefficient (Cv)	0.11" orifice diameter

Typical Applications

- Discharge and interstage reliefs on small high pressure compressors
- Reliefs on charging lines, regulators, and manifolds
- Hydraulic system and accumulator reliefs
- Many other safety relief valve applications

¹Although the [504](#) is rated for pressures up to 6000 psi, the manufacturer recommends the 1607 relief valve for customers wishing to use a set pressure above 5000 psi. The 504 and 1607 valves have the same form factor but a 1607 design modification allows for a higher set pressure without pushing the spring to its limits.