

RV5570, RV5580 Series Relief Valves

Relief valves are commonly used downstream of pressure regulators to protect the regulator, delivery pressure gauge and downstream system from damage due to overpressurization caused by a regulator failure. They may be used with hazardous gases because they have 1/4" NPT outlets which permits vented gas to be piped to a safe disposal system.

Specifications

Adjustable Range/Set Pressure: See Tables

Reseat Pressure: 70% of set pressure

Flow Coefficient: See Tables I and II

Inlet Connection: 1/4" NPT male

Outlet Connection:

RV5570: 1/4" NPT male

RV5580: 1/4" NPT female

Approximate Weight:

RV5570: 2 oz

RV5580: 8 oz

Materials of Construction

Body: See Tables I and II

Seals:

RV5570: Teflon® coated on Viton®

RV5580: Viton®



RV5572 Series
Relief Valve



RV5580 Series Relief Valve

Table I, Non-Field Adjustable Relief Valves

Part No.	Set Pressure (psig)	Body Material	Flow Coefficient (Cv)
RV5572-50	50	Brass	0.37
RV5572-100	100	Brass	0.37
RV5572-250	250	Brass	0.37
RV5572-500	500	Brass	0.37
RV5572-800	800	Brass	0.37
RV5573-50	50	Chrome-Plated Brass	0.37
RV5573-100	100	Chrome-Plated Brass	0.37
RV5573-250	250	Chrome-Plated Brass	0.37
RV5573-500	500	Chrome-Plated Brass	0.37
RV5573-800	800	Chrome-Plated Brass	0.37
RV5574-50	50	Type 316 Stn. Stl.	0.37
RV5574-100	100	Type 316 Stn. Stl.	0.37
RV5574-250	250	Type 316 Stn. Stl.	0.37
RV5574-500	500	Type 316 Stn. Stl.	0.37
RV5574-800	800	Type 316 Stn. Stl.	0.37

Table II, Field Adjustable Relief Valves

Part No.	Adjustable Range (psig)	Body Material	Flow Coefficient (Cv)
RV5580-225	10-225	Type 316 Stn. Stl.	0.60
RV5580-350	50-350	Type 316 Stn. Stl.	0.41
RV5580-750	350-750	Type 316 Stn. Stl.	0.41
RV5580-1500	750-1500	Type 316 Stn. Stl.	0.41
RV5580-2250	1500-2250	Type 316 Stn. Stl.	0.41
RV5580-3000	2250-3000	Type 316 Stn. Stl.	0.41
RV5580-4000	3000-4000	Type 316 Stn. Stl.	0.41
RV5580-5000	4000-5000	Type 316 Stn. Stl.	0.41
RV5580-6000	5000-6000	Type 316 Stn. Stl.	0.41