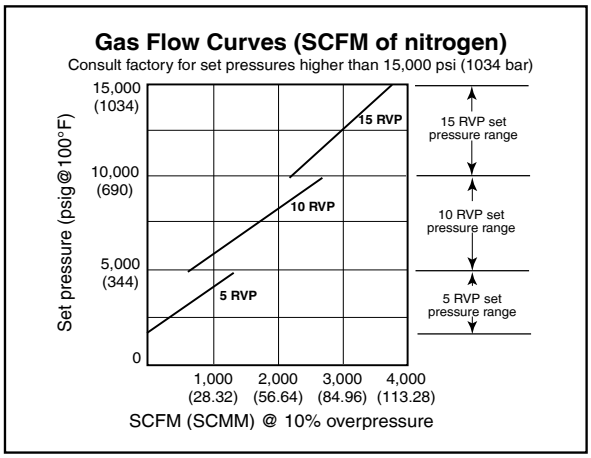
Relief Valves - RVP Metal Seat Relief Valves



All RVP models are designed primarily for thermal expansion or low volume relief applications at high pressures where flow is not critical. Thus, liquid curves for these models are not shown.

Note: Curves on this page are based on capacities of valves only and do not take tubing into account.

Caution should be exercised in proper selection of medium pressure tubing based on actual operating conditions. Two series available: 15,000 (1034.20 bar) and 20,000 (1380 bar).

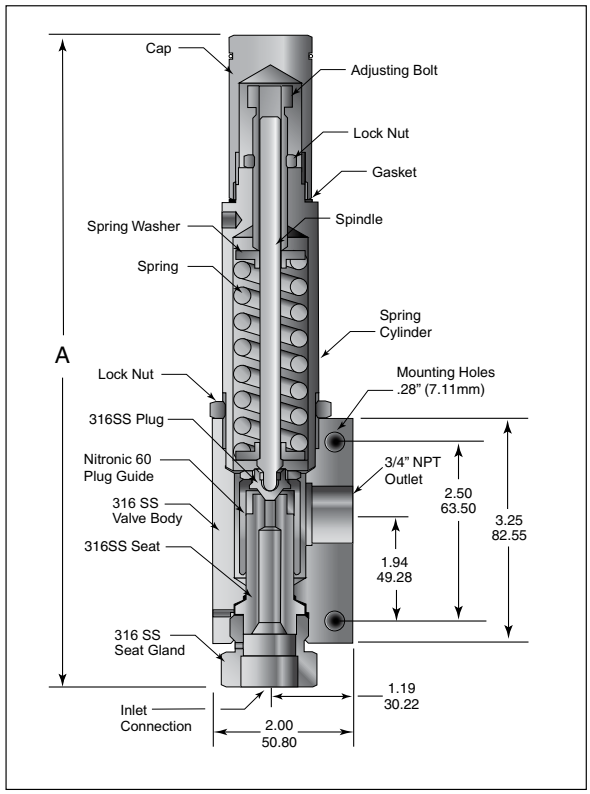


Figure 1 - RVP Series

Note: See back cover for options and ordering information.

Ordering Table and Specifications

RVP Series - See Figure 1

Catalog* Number	Connection Size and Type		Orfice Diameter inches (mm)	Pressure Rating psi (bar) @100°F (38°C)*			Dimension Inches (mm)
	Inlet Connection	Outlet Connection NPT		Minimum Setting	Maximum Setting	Maximum Back Pressure	A
5RVP9072	SF562CX	3/4	0.312 (7.92)	3,000 (206.84)	5,000 (344.73)	500 (34.47)	9.40 (238.76)
10RVP9072	SF562CX	3/4	0.250 (6.35)	5,000 (344.73)	10,000 (689.46)	500 (34.47)	9.40 (238.76)
15RVP9072	SF562CX	3/4	0.188 (4.78)	10,000 (689.46)	15,000 (1034.20)	500 (34.47)	9.40 (238.76)
20RVP9072	SF562CX	3/4	0.156 (3.96)	15,000 (1034.20)	20,000 (1378.93)	500 (34.47)	9.40 (238.76)
30RVP6072	F375C	3/4	0.125 (3.18)	20,000 (1378.93)	30,000 (2068.39)	500 (34.47)	9.52 (241.81)
45RVP9072	F562C	3/4	0.093 (2.36)	25,000 (1723.66)	45,000 (3102.59)	500 (34.47)	9.52 (241.81)
60RVP6072	F375C	3/4	0.078 (1.98)	30,000 (2068.39)	60,000 (4136.79)	500 (34.47)	9.52 (241.81)
75RVP5072	F312C150	3/4	0.062 (1.57)	37,000 (2551.02)	75,000 (5170.99)	500 (34.47)	9.83 (249.68)

*Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by tubing pressure rating, if lower.

Note: For pressure rating see selection chart.

For prompt service, Parker Autoclave Engineers stocks select products. Consult factory.

All general terms and conditions of sale, including limitations of our liability, apply to all products and services sold.

Ordering Table and Specifications

Options: Parker Autoclave Engineers can supply various options on special order. A high temperature option is also available for temperatures to 750°F (399°C) for RVP models. Low temperature options are available for the soft seat valves.

To specify high temperature option:
Add suffix "HT" for 750°F (399°C) high temperature option (RVP series only)

Caution:

1. AE relief valves are preset and factory sealed. Warranty is voided if seal is broken by customer.
2. Maximum system operating pressure should not exceed 90% of relief valve set pressure.
   Operating pressures in excess of this may cause weep age resulting in damage to the plug and seat.

Ordering Instructions: To permit prompt and correct responses to your order, we will require the following information: quantity, valve catalog number, service requirements (liquid, gas & vapor), set pressure (PSIG - bar), and service temperature range.

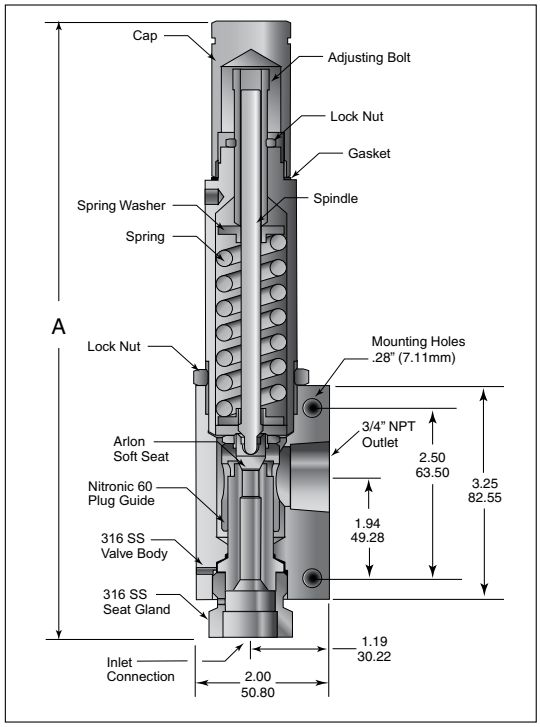


Figure 2 - RVS Series

RVS Series - See Figure 2

Catalog* Number	Connection Size and Type		Orfice Diameter inches (mm)	Pressure Rating psi (bar) @100°F (38°C)			Dimension Inches (mm)
	Inlet Connection	Outlet Connection NPT		Minimum Setting	Maximum Setting	Maximum Back Pressure	A
5RVS9072	SF562CX	3/4	0.312 (7.92)	1,500 (103.42)	5,000 (344.73)	500 (34.47)	9.40 (238.76)
10RVS9072	SF562CX	3/4	0.25 (6.35)	5,000 (344.73)	10,000 (689.46)	500 (34.47)	9.40 (238.76)
20RVS9072	SF562CX	3/4	0.156 (3.96)	10,000 (689.46)	20,000 (1378.93)	500 (34.47)	9.40 (238.76)

*Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by tubing pressure rating, if lower.

Note: For pressure rating see selection chart.

For prompt service, Parker Autoclave Engineers stocks select products. Consult factory.

WARNING

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Caution! Do not mix or interchange parts or tubing with those of other manufacturers. Doing so is unsafe and will void warranty.

Caution! Parker Autoclave Engineers Valves, Fittings and Tools are not designed to work with common commercial instrument tubing and will only work with tubing built to Parker Autoclave Engineers AES Specifications. Failure to do so will void warranty.

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