

Relief Valves



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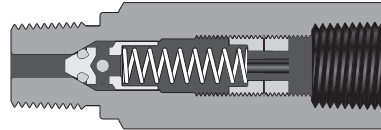
RUV and RV Series

Introduction

Relief valve opens when system pressure exceeds the set pressure, allowing the medium to flow out to relieve the system pressure and closes when the system pressure decreases to the resealing pressure.

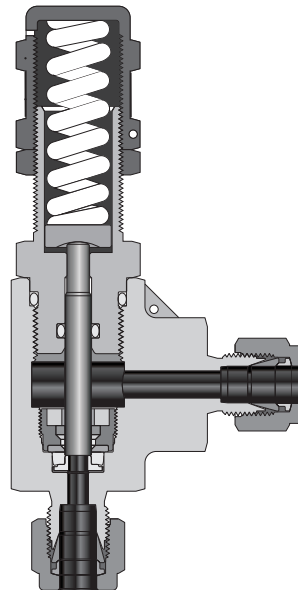
RUV Series

- ⦿ Compact design with one-piece body
- ⦿ Standard seat: FKM
- ⦿ Temperature: -10°F to 300°F (-23°C to 148°C)
- ⦿ Cracking pressure: 10 to 500 psig (1.7 to 34.5 bar)
- ⦿ Set pressure by nut adjustment and spring replacement



RV Series

- ⦿ Working temperature: -10°F to 300°F (-23°C to 148°C)
- ⦿ Cracking pressure: 50 to 6000 psig
- ⦿ Adjustable bonnet cap for pressure setting
- ⦿ Lead-seal line protected



Temperature Range of Sealing Material

O-ring Material	Temperature Range °F (°C)
Fluorocarbon Rubber	25 to 250 (-4 to 121)
Buna-N Rubber	0 to 250 (-17 to 121)
Neoprene Rubber	-10 to 300 (-23 to 148)
Ethylene Propylene Rubber	30 to 250 (-1 to 121)

Part Number Description

RV		SS		- FNS		4 - NS		4 - 6		B		- 1		F2	
Series		Inlet Type		Outlet Type		Orifice Size		Set Pressure		Technology Grade					
RUV		FNS Female NPT		Same as Inlet Type		0.14" (3.6 mm) (only for RUV Series)		0 10 to 25 psig		General Purpose					
RV		NS Male NPT		Specify in the same way as inlet type		0.14" (3.6 mm) (only for RV Series)		1 25 to 100 psig		Special Cleaning and Packaging					
		FL Fractional Tube Fitting (only for RV Series)				6		2 100 to 250 psig							
		ML Metric Tube Fitting (only for RV Series)						3 250 to 500 psig							
Body Material				Outlet Size		Seal Material		F 50 to 300 psig							
6L	316L SS			Same as Inlet Size		FKM		O 300 to 700 psig							
SS	316 SS	Inlet Size		Specify in the same way as inlet size		B Buna-N		Y 700 to 1500 psig							
		4 1/4"				N Neoprene		P 1500 to 2500 psig							
		6 6 mm or 3/8"				E Ethylene Propylene		W 2500 to 3500 psig							
		8 8 mm or 1/2"				Z Kalrez		J 3500 to 4500 psig							
								C 4500 to 6000 psig							

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