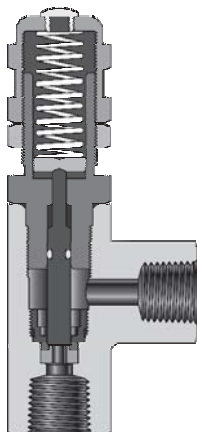


Proportional Relief Valves



RV1 Series

Set pressures from 50 to 6000 psig (3.4 to 413 bar).

Working temperatures from -10 °F to 300 °F (-23 °C to 148 °C).

Balance stem design to eliminate the effect of system back pressure.

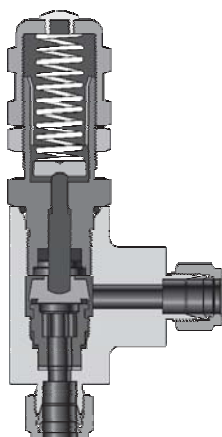
7 color-coded springs available for a wide range of set pressures.

Manual override handles available to open the valve without changing the set pressure when lower than 1500 psig.

CIR-LOK provided 316, 304, 316L, and 304L/A182 body materials.

Pressure-Temperature Ratings

Seal Material	FKM	Buna-N	Neoprene	Ethylene Propylene
Temperature, °F (°C)	Working Pressure, psig (bar)			
-10 (-23)	–	–	6000 (413)	–
-17 (0)	–	6000 (413)	6000 (413)	–
-12 (10)	–	6000 (413)	6000 (413)	–
-4 (25)	6000 (413)	6000 (413)	6000 (413)	–
-1 (30)	6000 (413)	6000 (413)	6000 (413)	6000 (413)
10 (50)	6000 (413)	6000 (413)	6000 (413)	6000 (413)
65 (150)	5580 (384)	5580 (384)	5580 (384)	5580 (384)
93 (200)	5160 (355)	5160 (355)	5160 (355)	5160 (355)
121 (250)	4910 (338)	4910 (338)	4910 (338)	4910 (338)
135 (275)	–	–	4660 (321)	–
148 (300)	–	–	4660 (321)	–



RV2 Series

Set pressures from 10 to 225 psig (0.68 to 15.5 bar).

Working temperatures from -10 °F to 300 °F (-23 °C to 148 °C).

Manual override handles available to open the valve without changing the set pressure.

CIR-LOK provided 316, 304, 316L, and 304L/A182 body materials.

Pressure-Temperature Ratings

Seal Material	FKM	Buna-N	Neoprene	Ethylene Propylene
Temperature, °F (°C)	Working Pressure, psig (bar)			
-23(-10)	–	–	6000 (413)	–
-17 (0)	–	6000 (413)	6000 (413)	–
-12 (10)	–	6000 (413)	6000 (413)	–
-4 (25)	6000 (413)	6000 (413)	6000 (413)	–
-1 (30)	6000 (413)	6000 (413)	6000 (413)	6000 (413)
10 (50)	6000 (413)	6000 (413)	6000 (413)	6000 (413)
65 (150)	5580 (384)	5580 (384)	5580 (384)	5580 (384)
93 (200)	5160 (355)	5160 (355)	5160 (355)	5160 (355)
121 (250)	4910 (338)	4910 (338)	4910 (338)	4910 (338)
135 (275)	–	–	4660 (321)	–
148 (300)	–	–	4660 (321)	–

How to Order

RV1 — FNPT8 — M8 — 6V — RN — 316

Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Orifice	Seal Material	Spring Kit Color	Manual Override Handle	Body Material
RV1	FNPT Female NPT	2 1/8 in.	Specify in the same way as Inlet Type and Inlet Size		6	V Fluorocarbon FKM	G Green 50-300 psig	N None	316
RV2	NPT Male NPT	4 1/4 in.							
	FBT Female BSPT	6 3/8 in. or 6mm			N Neoprene	Y Yellow 700-1500 psig	304		
	MBT Male BSPT	8 1/2 in. or 8mm						E Ethylene Propylene	
	FMS Female ISO (for BP)	10 10 mm			Z Kalrez	W White 2500-3500 psig			
	MS Male ISO (for BG)	12 3/4 in. or 12mm						J Blue 3500-4500 psig	
	FBP Female BSPP (for BP)								
	MBG Male BSPP (for BG)								
	F Fractional Tube Fitting								
	M Metric Tube Fitting								