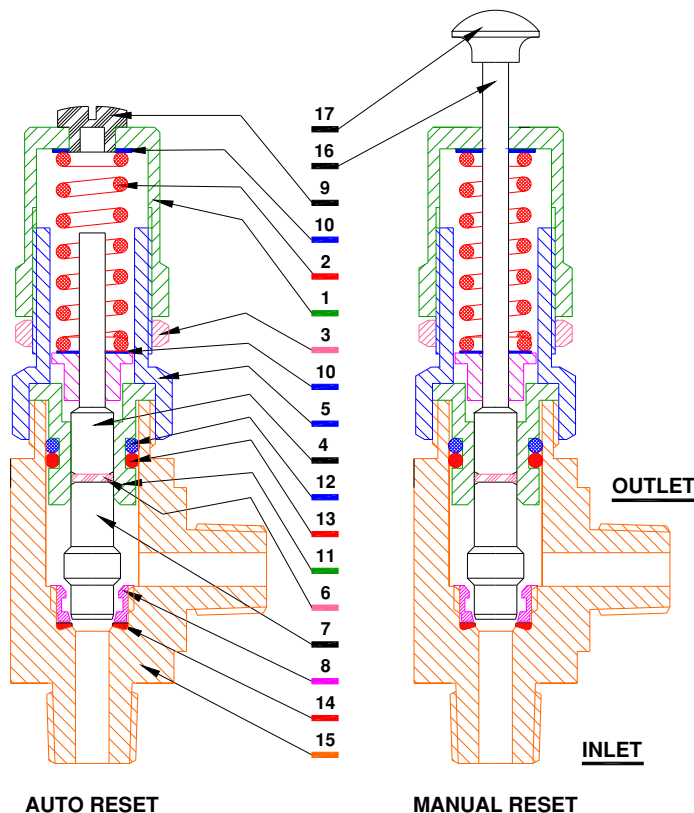




RELIEF VALVE

MODEL : RV



AUTO RESET

MANUAL RESET

RELIEF VALVE

- This valve operate when the upstream pressure exceeds the closing force exerted by the spring, the lower stem opens, permitting flow through the valve. Flow through the valve increases proportionately to the increase in upstream pressure.

FEATURES

- Pressure settings are extreamally adjustable while the valve is in operation. Eight different spring ranges provide greater system sensitivity and enhanced performance.
- Seat design is blow out & chip resistant.
- Manualoverride option with positive stem retraction is available for pressures up to 1500 psig (103 bar).
- Therefor this design permits the user to relieve upstream pressure while maintaing the predetermined cracking pressure.
- Standard low friction fine coating body bonnet improves crack & re-seal performance.
- Back pressure has minimum effect on cracking pressure.
- Lock wire feature secures a given pressure setting.

SPECIFICATION

Size

- 1/4", 6mm, 8mm with NPT, BSP, BSPT, ODT

NO	DESCRIPTION	QTY	MATERIAL
1	CAP	1	ASTM A 479 TYPE 316
2	SPRING	1	Stainless Steel
3	LOCK NUT	1	SS 316
4	UPPER STEM	1	ASTM A 479 TYPE 316
5	BONNET	1	ASTM A 479 TYPE 316
6	STEM SEAL	1	PTFE coated fluoro carbon rubber
7	LOWER STEM	1	ASTM A 479 TYPE 316
8	SEAT RETAINER	1	ASTM A 479 TYPE 316
9	PLUG	1	SS 316
10	WASHER	1	PTFE
11	BODY BONNET	1	ASTM A 479
12	BACKUP RING	1	PTFE
13	BONNET SEAT	1	fluoro carbon rubber
14	SEAT	1	fluoro carbon rubber
15	VALVE BODY	1	ASTM A 182 TYPE F316
16	HANDLE STEM	1	ASTM A 479 TYPE 316
17	HANDLE	1	PLASTIC

Working pressure

- Upto 6000 Psig(414 Bar) CWP.
- UPto 8000 Psig (552 Bar) during relief with no internal seal damage.

Cracking pressure

- Eight springs, from 50 Psig to6000 Psig in the following range, 50 to 350 Psig, 350 to 750 Psig, 750 to 1500 Psig, 1500 to 2250 Psig, 2250 to 3000 Psig, 3000 to 4000 Psig, 4000 to 5000 Psig

Temperature rating

- Buna N-rubber
-30 °F to 225 °F (-34 °C to 107 °C)
- Highly fluorinated fluoro carbon rubber
-20 °F to 200 °F (-29 °C to 93 °C)
- Ethylene propylene rubber
-70 °F to 275 °F (-57 °C to 135 °C)
- Fluorocarbon rubber
-10 °F to 400 °F (-23 °C to 204 °C)
- Neoprene rubber
-45 °F to 250 °F (-43 °C to 121 °C)

Material

- SS 316
- All valves are 100% Factory tested prior to shipment.