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High Pressure Relief Valve

60RV Series

Features

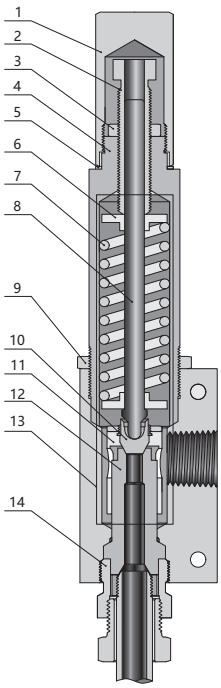
- Soft seat relief valves.
- Set pressure: 20000 to 60000 psig (1379 to 4137 bar)
- Working temperature: -110°F to 500°F (-79°C to 260°C)
- Liquid or gas service. Provide bubble tight shut-off of gas
- Pressure settings are made at the factory and valves are tagged accordingly State the required set pressure with the order please
- Lock wired secure cap to maintain set pressure
- Easily exchangeable seat
- Free assembly positions

Technical Data

Ordering Number	Inlet		Outlet Connection Type	Orifice Size in. (mm)	Cv	Pressure Rating psig (bar)@100°F (38°C)		
	Tube OD in.	Connection Type				Minimum Set Pressure	Maximum Set Pressure	Maximum Back Pressure
60RV-HPF6-FNPT12-30-	3/8	HPF6	FNPT12	0.125 (3.18)	0.2	20,000 (1379)	30,000 (2068)	500 (34.5)
60RV-HPF6-FNPT12-45-	3/8	HPF6	FNPT12	0.093 (2.36)	0.1	25,000 (1724)	45,000 (3103)	500 (34.5)
60RV-HPF6-FNPT12-60-	3/8	HPF6	FNPT12	0.078 (1.98)	0.07	30,000 (2068)	60,000 (4137)	500 (34.5)

NOTE:
- Maximum system operating pressure should not exceed 90% of relief valve set pressure.

Standard Materials of Construction



Item	Component	Valve Material
1	Cap	316 S.S. / A479
2	Adjusting Bolt	316 S.S. / A479
3	Lock Nut	316 S.S. / A479
4	Spring Cylinder	316 S.S. / A479
5	Gasket	316L S.S. / A276
6	Spring Washer	316 S.S. / A479
7	Spring	17-7PH/AMS5678
8	Spindle	316 S.S. / A479
9	Lock Nut	316 S.S. / A276
10	Plug	630 S.S./ A564
11	Plug Guide	316 S.S. / A479
12	Seat	17-4PH / A564
13	Valve Body	316 S.S. / A479
14	Seat Gland	316 S.S. / A479
	Lubricant	Molybdenum Disulfide

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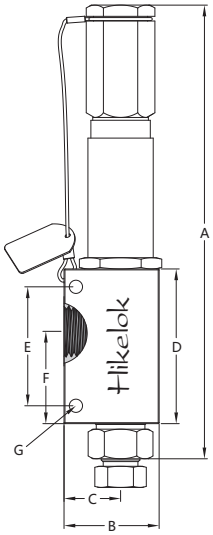
Dimensions



Relief Valves Dimensions

A	B	C	D	E	F	G
in. (mm)						
9.46 (240.4)	2.00 (50.8)	1.19 (30.2)	3.25 (82.6)	2.25 (57.1)	1.94 (49.3)	0.28 (7.1)

NOTE:
- G is the dimension of Mounting Holes.
- All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact the authorized representative or Hikelok Group.

How to Order

60RV— HPF6 — FNPT12 — 60 — 316

Series	Intel Type and Size	Outel Type and Size	Spring Designato	Body Material
60RV	**HPF6** 3/8 in.	**FNPT12** 3/4 in. Female NPT	**30** 20000-30000 psi **45** 30000-45000 psi **60** 45000-60000 psi	**316** 316 S.S.

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