

High Pressure Relief Valves

60RV Series, 60,000 psi (4137 bar)

- ❖ Soft seat relief valves.
- ❖ Set pressure: 3000 to 60,000 psig (207 to 4137 bar).
- ❖ Working temperature: -110°F to 500°F (-79°C to 260°C).
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- ❖ 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.
- ❖ Field adjustable and soft seat relief valves.

Features

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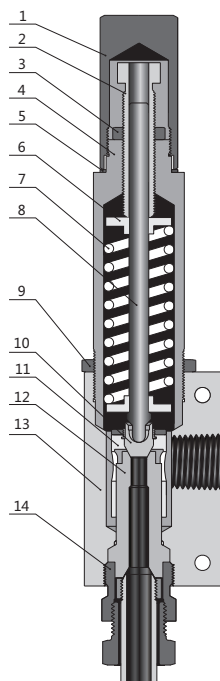
Technical Data

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:

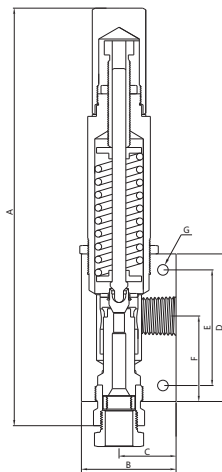
Maximum system operating pressure should not exceed 90% of relief valve set pressure.

Standard Materials of Construction



Item	Component	Valve Material
1	Cap	316 SS/A479
2	Adjusting Bolt	316 SS/A479
3	Lock Nut	316 SS/A479
4	Spring Cylinder	316 SS/A479
5	Gasket	316L SS/A276
6	Spring Washer	316 SS/A479
7	Spring	17-7PH/AMS5678
8	Spindle	316 SS/A479
9	Lock Nut	316 SS/A276
10	Plug	S17400/A564
11	Plug Guide	316 SS/A479
12	Seat	17-4PH/A564
13	Valve Body	316 SS/A479
14	Seat Gland	316 SS/A479
Lubricant		Molybdenum Disulfide

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:

1. G is the dimension of Mounting Holes.
2. 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	MPF9 9/16"	FNPT12 3/4 Female NPT	30 20000-30000 psi 45 30000-45000 psi 60 45000-60000 psi	316 316 S.S.