



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.

Features

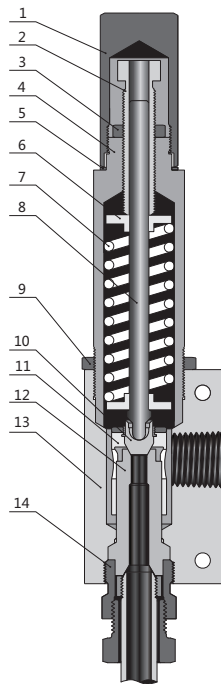
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Technical Data

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)

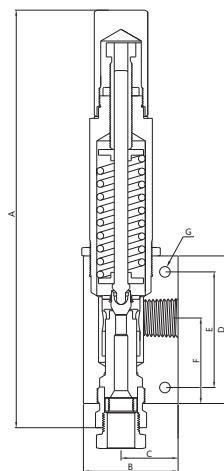
NOTE:
Maximum system operating pressure should not exceed 90% of relief valve set pressure.

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 CIR-LOK Group.

How to Order

60RV— HPF6 — FNPT12 — 60 — 316

Series	Intel Type and Size	Outlet Type and Size	Spring Designator	Body Material
60RV	HPF6 9/16"	FNPT12 3/4 Female NPT	30 20000-30000 psig 45 30000-45000 psig 60 45000-60000 psig	316 316 S.S.