

RELIEF VALVES

500 Series Relief Valve

SEE CHART



Technical Data	
Operating Pressure	0 - 200 PSI
Cracking Pressure	0.5 - 150 PSI Higher cracking pressures available, please check with Amron sales representative.
Adjustment	± 50% of nominal Adjustment is on inlet side and cannot be tampered with after valve is installed.
Cracking Pressure Accuracy	Operating tolerance for cracking pressure is 5%. Initial crack may be slightly higher than cracking pressure tolerance.
Deflector Cap	Diverts high pressure blasts from personnel or instruments. Serves as a rain and dust shield. Increases flow capacity and facilitates manual override. The D500 Model with cap is available only in the discharge to atmosphere version of the valve.
Repair Kits	RK-D559B-4MP-10 Order by prefixing Part number with "RK" Give complete part number including size and cracking pressure.

Adjustment Tools		
Size	Adjusting Tool	Nut Driver
1M/2MP	10086-1	10087-1
2M/3MP	10086-2	10087-2
3M/4MP	10086-3	10087-3
4M/6MP 6M/8MP	10086-4	10087-4
8M/10MP	10086-5	10087-5

ADJUSTMENT RANGE CHART

1M thru 2 M and 2 MP thru 3 MP		3M thru 12 M and 4 MP thru 10 MP	
CP Setting	CP Range	CP Setting	CP Range
0.5	.2-.9	1	.5-2.4
1	1.0-2.3	4	2.5-5.9
4	2.4-5.5	10	6.0-13.9
10	5.6-13.9	20	14.0-31.0
20	14.0-27.9	50	31.0-72.9
30	28.0-33.9	100	73.0- 150.0
55	34.0-74.9		
90	75.0- 104.9		
125	105.0- 147.9		

Operating tolerance for cracking pressure is 5%. Initial crack may be slightly higher than the cracking pressure tolerance. Cracking pressure is defined as 5 cc/min. with gas.

500 Series Basic Model Number

Model Number	O-ring Material	Operating Temperature	Service
520	Teflon	-100° to +400°F	Chemically inert, suitable for most fluids. Not available for cracking pressures below 2.5 PSI
524	Silicone	-65° to +400°F	Air, Chlorinated Transformer Oil, Oxygen
532	Viton	-20° to +400°F	Aromatic fuels, Synthetic Oils, Solvents, Carbon Tet., Toluene, Trichloroethylene, Steam
533	Neoprene	-40° to +250°F	Oxygen, Helium, Air, Hydrogen, Carbon Dioxide, Nitrogen, Acetylene
559	Buna-N	-40° to +250°F	General Purpose, Air, Acetylene, Ammonia, Freon 12, Hydrogen, Inert Gas
562	Ethylene Propylene	-65° to +300°F	Skydrol, Air, Steam

Part No. **D 559 B - 4 M - 10**

