

Proven Premium Performance, Higher Pressure Capability



ANDERSON GREENWOOD™

Type 81P Pressure Relief Valve: Your key to safer and reliable overpressure protection, now offered up to 12,500 psig on liquid

Experience Premium and Proven Performance

The Anderson Greenwood Type 81P Pressure Relief Valve has historically delivered exceptional leak-tight performance for liquid applications up to 6000 psig. With this development, we can take this exceptional performance and increase the set pressure up to 12,500 psig. It ensures safe and reliable operation of high-pressure liquid applications.

Why Choose the Anderson Greenwood Type 81P -2/-3?

- **Innovative Design:** Features a unique floating seat design for premium seat tightness performance.
- **Safety and Reliability:** Tested on water at our El Campo, Texas lab and certified by the National Board. Offers zero leakage at 92.5% of set pressure, enhancing vessel efficiency and overall process reliability.
- **Balanced Valve:** Balanced against backpressure without the use of bellows.



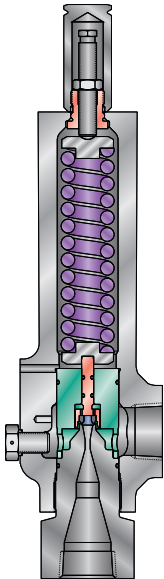
*Anderson Greenwood™
Type 81P Pressure Relief Valve*



Demonstrated Excellence with Higher Pressure Handling

Features and Benefits

- ASME Section VIII and XIII / NB Certified capacities for liquid
- Meets API 527 for soft-seated valves
- Robust design for high-pressure liquid applications
- Offered in variety of materials and connections
- NACE Compliant



Specifications

DESCRIPTION	MATERIAL OR DIMENSION
Size (in.)	1/2 x 1/2 to 1 x 1
Connections	NPT, BSPT, Flanged, and Autoclave
Orifice Area (in ²)	[-2]: 0.012, [-3]: 0.028
Orifice Diameter (in.)	[-2]: 0.125, [-3]: 0.188
Nozzle Coefficient	[-2]: 0.384 GPM/sq.rt.psid, [-3]: 0.835 GPM/sq.rt.psid
Body Material	Carbon Steel, 316 SST
Nozzle/Spindle Material	316 SST, Nitronic® 50
Seat Material	Polytetrafluoroethylene (PTFE), Vespel®, PEEK
Seal Material	NBR, FKM, EPR, and FKKM
Pressure Range (psig)	200 to 12,500
Temperature Range (°F)	-65 to 500

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