



## DESCRIPTION

Valcor's relief valves vent excessive pressure in pneumatic and hydraulic systems and components. The valves eliminate the possibility of part damage due to excessive pressure. The valves reseal as soon as the pressure decays to a safe level, and prevent further loss of system pressure.

## APPLICATION

The valves are used in any pneumatic or hydraulic system or component that could be exposed to excessive pressure by virtue of a failure, or partial failure, of another item. Examples include: the outlet side of a pressure regulator which may experience excessive pressure from leakage past the regulator seat, and excessive pressure build up in a closed system due to high temperature exposure.

## FEATURES

- Adjustable relief pressure
- Hydraulic and pneumatic applications
- Capable of high flows (10 gpm)
- Capable of high pressures (~3300 PSI)
- Designed for lightweight, yet high strength applications (~0.25 lbs)

## Valcor Aerospace Relief Valves

### Brief Listing of Valcor's Qualified Aerospace Relief Valves

Valcor Part No.	Operating Fluid	Cracking Pressure	Reseat Pressure	Flow Rate	Weight	Body Material
V3500-61-W	Hydraulic Oil	3800-3916 PSIA	3742 PSIA	40 cc/Min.	.23 LB	CRES 303
V3500-89-W	Air/GN <sup>2</sup>	3250-3350 PSIG	N/A	0.024" ESEO	.22 LB	Aluminum
V3500-154-W	Turbine Oil and Air	18-20 PSID	N/A	0.276" ESEO	.82	Nitronic 60
841031-2-1-W	GN <sub>2</sub>	3450-3750 PSI	N/A	0.024" ESEO	0.16 LB	Aluminum
V3500-1300-3-W	GN <sub>2</sub> , Air	2755-3045 PSIG	2625 PSIG	0.055" ESEO	1.0 LB	Aluminum