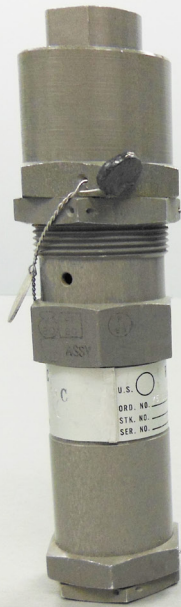


Pressure Regulators

Valcor Aerospace



DESCRIPTION

Valcor's pressure regulators provide stable outlet pressure when supplied with a varying inlet pressure. The regulators are all mechanical and are available as pressure reducers (without integral pressure relief) or pressure regulators (that contain an internal relief capability) that provide a tighter outlet pressure band. Valcor designs and manufactures bellows sealed regulators for "absolute" pressure control and traditional o-ring (and/or lip seal) style regulators.

APPLICATION

Valcor pressure regulators are found in aircraft cabin pressurization, canopy seal pressure control, potable water systems, waveguide pressurization, and onboard inert gas generation systems (OBIGGS).

FEATURES

- Constructed from light-weight materials
- Plug-in designs or custom bodies
- Constant outlet pressure over a wide range of supply pressures and flow rates
- Temperature ranges of -40°F to +160°F
- Available medias include: air, GN2 and other non-corrosive gases
- Flow rates up to 240 SCFM
- Lengthy pedigree of successful missions.



Valcor Aerospace Pressure Regulators

Brief Listing of Valcor's Qualified Aerospace Pressure Regulators

Valcor Part No.	Operating Fluid	Inlet Pressure Range	Outlet Pressure	Flow Rate	Weight	Body Material
V100000-285-1-W	GN ₂ , GHe	2965 PSIG	15.5±1.5PSIG	0.1 LB/HR	22LB	
V4000-891-W	Air	35-150 PSIG	25-30 PSIG	0.20 PPM	.70 LB	Aluminum
V4000-109-3-1-W	Engine Bleed Air	5.24-95 PSIA	5.0 ± .8 PSIA	.038 LB/SEC	1.51 LB	Aluminum
V4000-101-W	Engine Bleed Air	19-180 PSIA	17 ± 2 PSIA	0 - 440 SCIM	.77 LB	Aluminum
V100000-396-W	GN ₂ , GHe	3000 PSIG	320±30 PSIG		6.35 LB	Aluminum
895352-01-W	Dry Air or Nitrogen	19-3000 PSIG	26.5±1.5 PSIA	0-10 SCIM	.50 LB	Aluminum
890406-0100-03-W	Air, GN ₂ , GHe	1000 PSI	100±5 PSI	0.25 Flow Factor	1.28 LB	Aluminum
V4000-224-W	Water	121 PSIG	89.6-97.3 PSIA	2.6 LB/HR	.80	Stainless Steel
V44700-300-W	Engine Bleed Air	15-275 PSIG	70±5 PSIG	10 LB/MIN	5.5 LB	Stainless Steel
V44700-252-W	Engine Bleed Air	18-65 PSIG	44-49 PSIG	85 LB/MIN	4.0 LB	Stainless Steel
890409-W	Air, GN ₂ , GHe	3300 PSIG	1000 PSIG	0.25 Flow Factor	1.1 LB	Aluminum
V4000-99-6-W	Air	8500 PSIG	1550 ± 150 PSI	0.22 LBS/S	4.15 LB	Stainless Steel
V4000-58-W	Engine Bleed Air	46.5 PSIG	38 PSIG	10 LPM	.50 LB	Aluminum
871235-W	Air, Inert Gas	3000 PSI	500 ± 20	0.25 Flow Factor	1.1 LB	Aluminum
874168-W	Air	40-264 PSIA	32 inch HG	2 SCFM	.75 LB	Aluminum