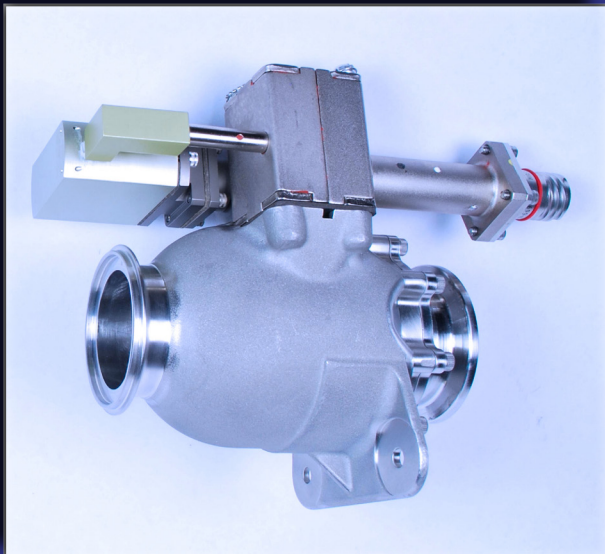


V44700 Engine Bleed Air Valve

2-Way Normally Open or Normally Closed Shut-Off Solenoid Valve



Valcor Engineering Corporation



DESCRIPTION

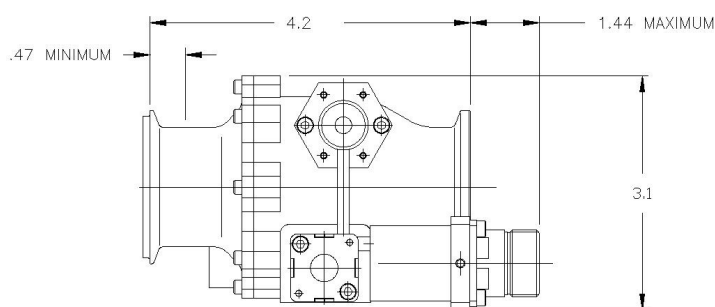
V44700 Engine Bleed Air Valves are designed specifically to control hot gases including engine bleed air. These valves are pilot operated, solenoid shut-off valves, and are available in normally open or normally closed configurations. The valve body is designed for high flow with low pressure drop. They are well-suited for the extreme vibration, temperature, and cycle life requirements found in the most severe aircraft operating conditions.

APPLICATION

Applications include systems for engine nacelle and wing anti-icing, potable water pressurization and environmental cabin temperature control. These valves are also used in conjunction with our line of On-Board Inert Gas Generating Systems (OBIGGS) used for inerting the ullage in fuel tanks.

FEATURES

- Maximum Operating Pressure: 0-300 PSIG
- Flow Rate: Wide range available
- Temperature: -65°F to 165°F Ambient; -65°F to 900°F Media
- Weight: 3-5 lbs. based on pressure and flow rate required
- Position indication available
- Exceptional operational cycle life
- Fully customizable for your application



ELECTRICAL DATA

Voltage	18 to 30 VDC
Duty	Continuous
Current	1.5 amps at 30 VDC and at 70°F
Electrical Connector	MS38999 type, top-mount standard

Custom designs are our specialty. Contact us today to see how we can help on your next project.

Valcor Engineering Corporation
2 Lawrence Road | Springfield, NJ 07081
(973) 467-8400 | aircraft@valcor.com
www.valcor.com

V44700 Engine Bleed Air Valve

2-Way Normally Open or Normally Closed Shut-Off Solenoid Valve



Valcor Engineering Corporation

Valcor specializes in custom designs.
Below are just a few examples of solutions we have created in the past for our customers.

Examples	Operating Fluid	Temperature	Operating Pressure	Flow Rate	Weight (lbs)
V44700-324-1-W	Air	-49°F to 231°F	7 to 40 PSIG	0.85" ESEO	1.4
V44700-324-2-W	Air	+49°F to 231°F	7 to 40 PSIG	0.85" ESEO	1.4
V44700-210-6-W	Engine Bleed Air	-65°F to 265°F	10 to 300 PSIG	0.62" ESEO	2.5
V44700-300-W	Engine Bleed Air	-65°F to 890°F	15 to 275 PSIG	10 lbs/min	5.5
V44700-252-W	Engine Bleed Air	-65°F to 250°F	18 to 65 PSIG	85 lbs/min	4
V14100-386-W	Engine Bleed Air	-65°F to 1000°F	12.8 to 365 PSIA	.3 lbs/min	5.2
V100000-235-W	Engine Bleed Air	-65°F to 546°F	0 to 40 PSIG	.51 kg/sec	4.2
V44700-141-W	Bleed Air	-65°F to 735°F	20 to 50 PSIG	1.5 lbs/min	1.1
V44700-329-W	Air	-65°F to 886°F	20 to 108.2 PSIG	1.4 lbs/sec	3.2
V44700-136-W	Bleed Air	-65°F to 550°F	20 to 90 PSIG	57 SCFM	1.1
V44700-142-W	Engine Bleed Air	-65°F to 680°F	0 to 150 PSIG	0.23" ESEO	1.5
V44700-14201-W	Engine Bleed Air	-65°F to 680°F	0 to 80 PSIG	0.24" ESEO	1.2
V44700-222-W	Bleed Air	-65°F to 735°F	20 to 50 PSIG	1.5 lbs/min	1.0
V44700-2632-W	Air	-65°F to 750°F	0 to 200 PSIG	0.18" ESEO	1.0
V44700-205-W	Bleed Air	-65°F to 735°F	20 to 80 PSIG	1.5 lbs/min	1.1
V44700-237-W	Engine Bleed Air	-65°F to 640°F	20 to 100 PSIG	12 lbs/min	1.4
V45000-70-W	Engine Bleed Air	-41°F to 572°F	28 to 88.2 PSIG	0.60" ESEO	1.8

Contact us today to see how we can help on your next project.

Valcor Engineering Corporation
2 Lawrence Road | Springfield, NJ 07081
(973) 467-8400 | aircraft@valcor.com
www.valcor.com