

Model A-37000

Pressure Relief Valve

October 25, 2016

(Rev. 1)



TECHNICAL SPECIFICATIONS

- Start-to-Discharge Pressure: REFER TO TABLE; +/-3% or 3 psig, whichever is larger
- Vapor-Tight Pressure: REFER TO TABLE
- Certified Capacity at Flow Rating, Pressure: REFER TO TABLE
- Flow Rating Pressure: REFER TO TABLE
- Effective Orifice Area: 7.85 in²
- Discharge Coefficient (Kd): REFER TO TABLE
- Max. Operating Temp.: 150°F
- Min. Operating Temp.: -30°F
- Mounting Studs: Four (x4) 7/8"-9 UNC
- Mounting Stud Torque: 150 +/-10 ft-lb
- Top Guide Mounting Stud Torque: 93 ft-lb for B7 alloy steel; 43 ft-lb for 18-8
- Stem/Retainer Locknut Torque: 100-120 ft-lb
- Mounting Flange: 7-5/16 in² x 1-1/4" thick; Four (x4) ø15/16" holes on ø8 B.C.
- Valve Weight: 70 lb
- Stem Adjusting Nut/Locknut Torque: 150 +/-10 ft-lb
- Mounting Configuration: O.D.: 6.745 +/-0.003, I.D.: 6.005 +/-0.003

NOTES

- Alternate O-ring materials available
- Standard Plating is Zinc or Cadmium
- For aluminum-coated Spring, specify -ASAL. For zinc-coated Spring, specify -ASZN.
- For Stainless-Steel Retainer and Stainless Body Seat, add Suffix -XS to Valve Part No.
- Net Flow Area: 7.85 in²
- AAR APPROVAL# PRD072003

NO.	PART NAME	MATERIAL	PART NUMBER	QTY
1	TOP GUIDE	STEEL W/SS INSERT	34-1-XS	1
2	STEM	STAINLESS STEEL	31-2-SS	1
3	RETAINER	STEEL, PLATED (1) (4)	37-3-CS	1
4	BODY	STEEL (4)	34-410-CS	1
5	SPRING	ALLOY STEEL (3) (4)	SEE TABLE	1
6	FOLLOWER	STEEL, PLATED	34-6-CS	1
7	—	—	—	—
8	LOCK NUT	STEEL, PLATED (1)	23-8-CS	1
9	WASHER	NEOPRENE	23-9-NE	1
10	SEAT O-RING	BUNA-N (2)	27-11-BN	1
11	STEM O-RING	BUNA-N (2)	31-11-BN	1
12	ADJUSTMENT NUT	STEEL, PLATED (1)	23-12-CS	1
13	LOCK NUT	STEEL, PLATED (1)	23-13-CS	1
14	—	—	—	—
15	HEX NUT	STEEL, PLATED (1)	10-15-CS	4
16	WIRE SEAL	SS/LEAD (2)	22-72-PB	2
17	NAMEPLATE	STAINLESS STEEL	SEE TABLE	1

NOTES

- (1) Standard plating is zinc or cadmium.
- (2) Alternate materials available.
- (3) For aluminum-coated spring, specify -ASAL.
For zinc-coated spring, specify -ASZN.
- (4) For stainless steel retainer and stainless body, add suffix -XS to valve part number.

PRESSURE SETTING (PSIG)	FLOW RATE (SCFM-AIR)	NAMEPLATE PART NO.	VALVE PART NO.	SPRING PART NO. (3) (4)
225	34,713	37-25-SS	A-37225	34-255-AS
247.5	37,254	37-26-SS	A-37247	34-255-AS
255	38,528	37-27-SS	A-37255	34-255-AS
280.5	39,612	37-28-SS	A-37280	34-280-AS
300	44,614	37-29-SS	A-37300	34-280-AS
330	49,912	37-30-SS	A-37330	34-280-AS

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