

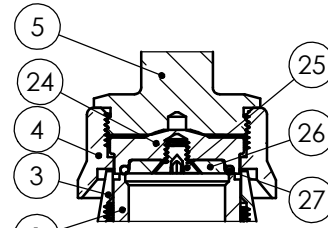
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Revised 4/19/2021

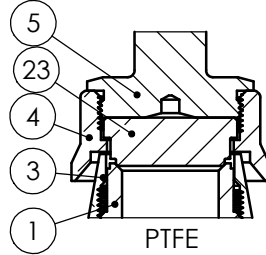
Safety Relief Valve for Air / Gas / Steam / Liquid
 Certifications: ASME - NB Section VIII, PED/CE, CRN

Item	Desc.	Material
1	Lap Joint Nozzle	SA479-316 SS
2	Ring Lock Screw	SA479-316 SS
3	Lower Ring	SA351-CF8M SS
4	Disc Holder	SA479-316 SS
5	Disc Holder Shaft	SA479-316 SS
6	Disc Guide	SA479-316 SS
7	Bonnet	SA216-WCB
8	Hood Seal	PTFE
9	Seal Wire	Steel / Lead
10	Hood	SA108-1018
11	Pressure Screw	SA479-316 SS
12	Lock Nut	SA479-316 SS
13	Spring Plate	SA479-316 SS
14	Spring	302/17-7 SS
15	Spring Post	SA479-316 SS
16	Spring Pin	18-8 SS
17	Disc Guide Seals (2)	PTFE
18	Disc	SA479-316 SS
19	Body	SA216-WCB
20	Nozzle Seal	PTFE
21	Nameplate	Stainless
22	Lock Screw Seal	PTFE
28	Outlet Fitting	SA479-316 SS
29	Lap Joint Flange	CS A-105
30	Lap Joint Flange	CS A-105

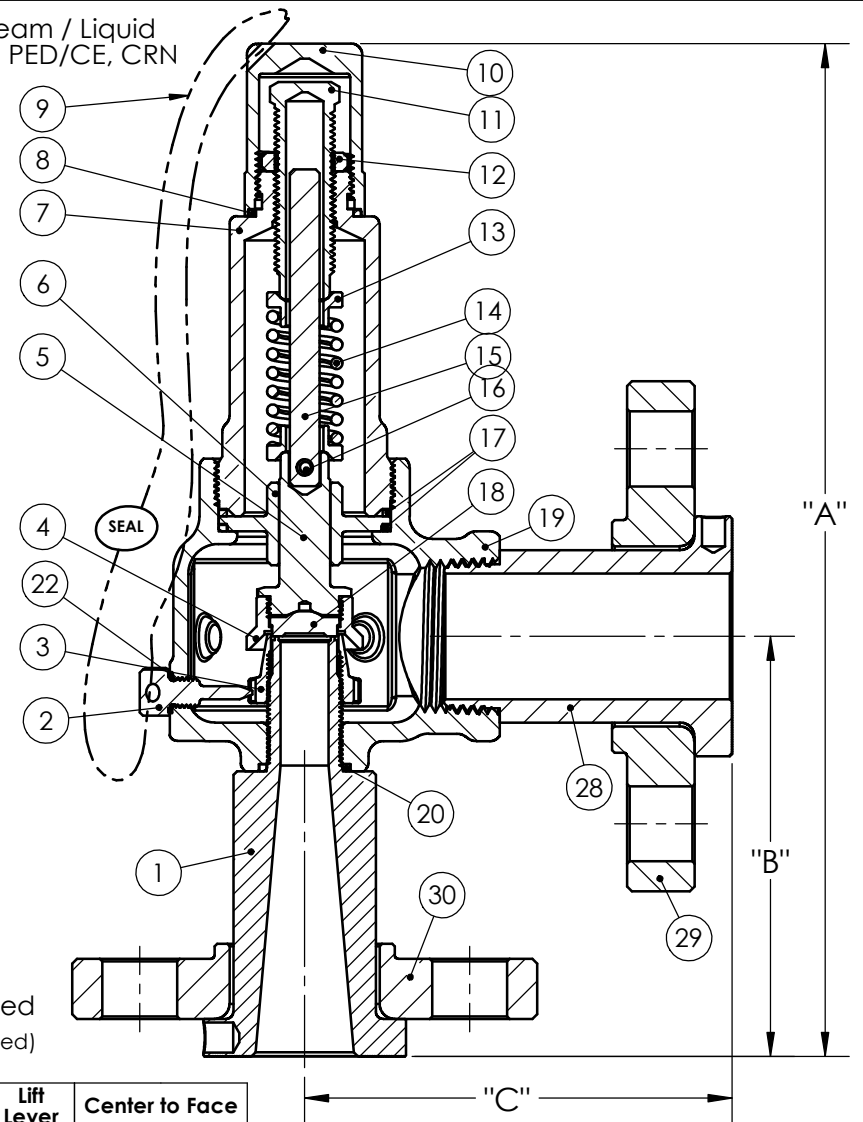
Series 742 Seating Options		
ITEM	Description	Material
23	Disk	PTFE
24	O-Ring Disk	SA479-316 SS
25	Screw	18-8 SS
26	Disk Insert	SA479-316 SS
27	O-Ring	Various



O-Ring



PTFE



ASME B16.5 Lap Joint flanges
 "B" and "C" dimensions can be customized
 Serrated or smooth faces (Customer specified)

1/2" E Orifice is ASME/CE Air/Gas and Steam Only

Orifice	Max Set Pressure	Connections Flange x Flange		Closed Cap		Lift Lever		Center to Face		Orifice	Max Set Pressure	Connections Flange x Flange		Closed Cap		Lift Lever		Center to Face	
				"A"	"A"	"B"	"C"	"A"	"A"					"B"	"C"	"A"	"A"	"B"	"C"
D	1500	1/2"	3/4"	9-5/8"	10-1/4"	4-5/8"	4-1/4"	F	750	1-1/4"	1-1/2"	11"	11-5/8"	4-5/8"	4-5/8"				
D	1500	1/2"	1"	9-5/8"	10-1/4"	4-5/8"	4-1/4"	F	750	1-1/2"	1-1/2"	11"	11-5/8"	4-5/8"	4-5/8"				
D	1500	3/4"	3/4"	9-5/8"	10-1/4"	4-5/8"	4-1/4"	G	700	1-1/4"	2"	12-3/8"	13"	5-5/8"	4-3/4"				
D	1500	3/4"	1"	9-5/8"	10-1/4"	4-5/8"	4-1/4"	G	700	1-1/2"	2"	12-3/8"	13"	5-5/8"	4-3/4"				
D	1500	1"	1"	11-1/2"	12-1/8"	6-1/2"	4-1/4"	G	700	2"	2"	14"	14-1/2"	7-1/8"	6-1/2"				
E'	1500	1/2"	1"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	H	600	1-1/2"	2"	14"	14-5/8"	5-7/8"	5-3/8"				
E'	1500	1/2"	1"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	H	600	2"	2"	14"	14-5/8"	5-7/8"	5-3/8"				
E	1500	3/4"	1"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	H	600	1-1/2"	2-1/2"	14"	14-5/8"	5-7/8"	5-3/8"				
E	1500	3/4"	1-1/4"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	H	600	2"	2-1/2"	14"	14-5/8"	5-7/8"	5-3/8"				
E	1500	1"	1"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	H	600	2-1/2"	2-1/2"	14"	14-5/8"	5-7/8"	5-3/8"				
E	1500	1"	1-1/4"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	J	600	2"	3"	16-5/8"	17-1/8"	6-1/2"	6"				
E	1500	1-1/4"	1-1/4"	10-1/4"	10-7/8"	4-5/8"	4-1/4"	J	600	2-1/2"	3"	16-5/8"	17-1/8"	6-1/2"	6"				
F	750	1"	1-1/2"	11"	11-5/8"	4-5/8"	4-5/8"	J	600	3"	3"	16-5/8"	17-1/8"	6-1/2"	6"				

Inlet Sizes from 1/2" to 3"
 Max Temp : 800°F
 Max Pressure : 1500 P.S.I (300 P.S.I. Steam)
 Back Pressure : 10% of set, max 50 P.S.I.
 (whichever is less)

Aquatrol
VALVE COMPANY, INC.

PART NAME		Series 742 Flanged	
Date:	3/30/2018	Part Number	
Drawn by:		742-01-FL	
Approved by:			