

Vacuum Sentry Technology

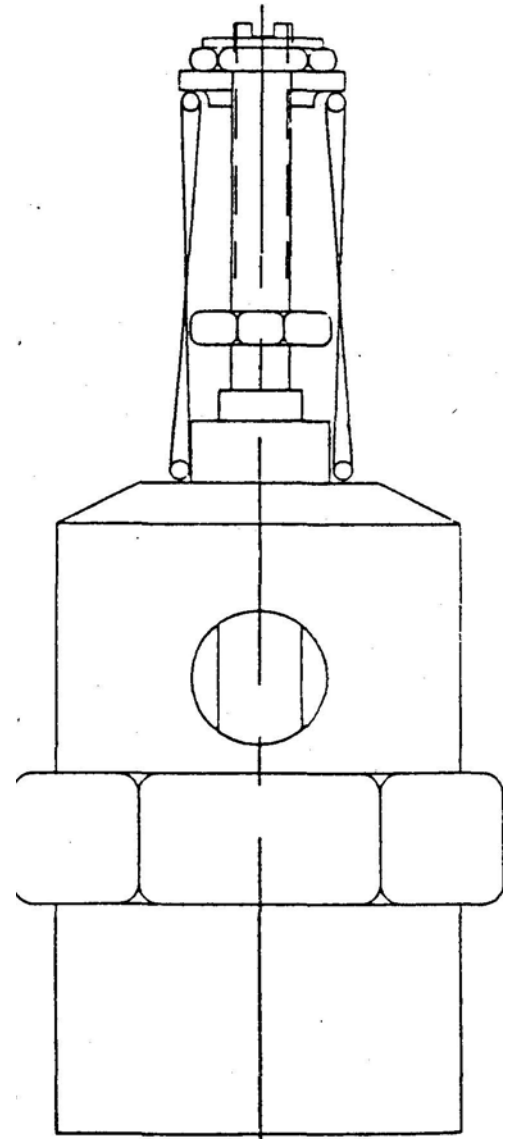
Spring Loaded Adjustable Vacuum Relief Valves

Series VS

Product Description: The VS Series Spring Loaded Adjustable Vacuum Relief Valves are designed and constructed with few parts to assure dependable service. These single seated valves are available in brass and stainless steel, sizes ½" - 2". The Vacuum Sentry is designed to prevent the formation of a vacuum below a predetermined adjustable setting due to the condensing of steam in vessels, or for the control of vacuum on pumps.

Operation: As a vacuum is created, the differential pressure across the Vacuum Sentry's disc overcomes the Vacuum Sentry's adjustable spring setting, and the valve opens to atmosphere.

Ranges:	3" - 15" HG 10" - 28" HG
Seating Body:	Soft Seat Design Viton "O" Ring-backed with metal seats
Material Inlet:	Brass 316SS Stainless Steel
Connection:	½" - 2" FNPT
Spring Material:	Stainless Steel
Pressure Rating:	Brass Stainless 200PSI Steel 300PSI
Temperature Rating:	Brass 390F Stainless Steel 450F



Series VS Adjustable Vacuum Relief Valve

S & S Valve Service, Inc.

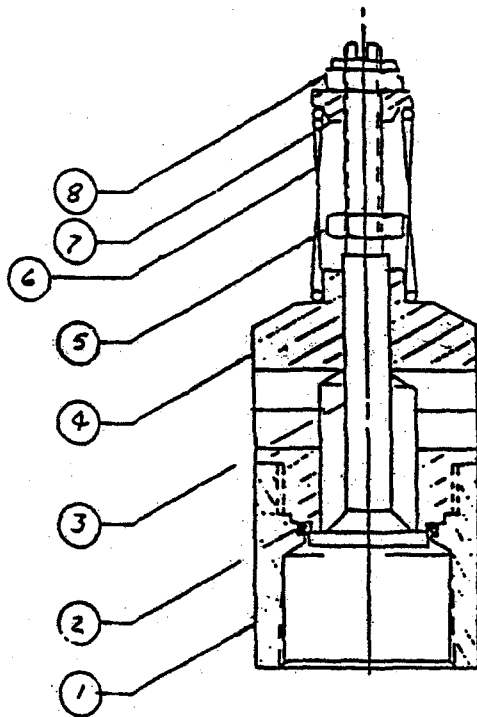
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Vacuum Sentry Technology

VS Series - Adjustable Vacuum Relief Valves

Operation and Service Instructions



OPERATION

To Increase Vacuum Set Point,
Tighten Adjustment Nut (7).
To decrease vacuum set point,
Loosen Adjustment Nut (7).

When the desired Vacuum
Relief Set Point is attained,
tighten Lock Nut (8).

SERVICE

If the valve does not re-seat
tightly, replace "O" Ring.

8	NUT-LOCK
7	ADJ. NUT
6	SPRING
5	NUT-STOP
4	BODY, UPPER
3	STEM ASSY
2	SEAT SEAL
1	BODY, LOWER

-PARTS LIST-

Series VS Vacuum Sentry

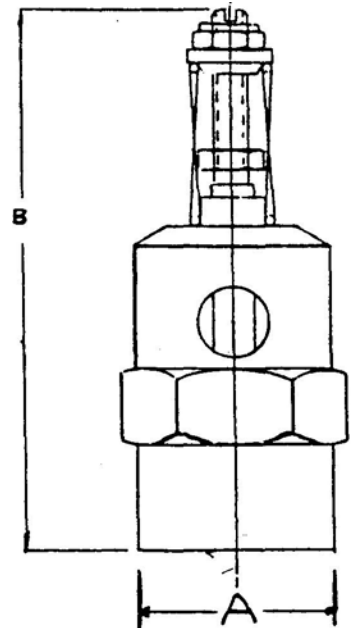
Adjustable Vacuum Relief Valves

Capacity SCFM @ 25% Over Pressure

Vacuum inches Hg	½"	¾"	1"	1 - ¼"	1 - ½"	2"
3	44	44	70	150	240	340
4	45	45	72	153	244	348
6	46	46	74	156	248	357
8	47	47	76	160	252	366
10	48	48	78	164	256	375
12	49	49	80	168	260	384
14	50	50	82	172	264	393
16	51	51	84	175	268	400
18	52	52	86	178	272	409
20	54	54	88	181	276	418
22	55	55	90	185	280	427
24	56	56	93	189	285	435
26	57	57	96	192	290	444
28	59	59	98	196	295	453

Dimensions

Size	½"	¾"	1"	1 - ¼"	1 - ½"	2"
A	1 - 3/8"	1 - 3/8"	1 - 5/8"	2.0"	2 - 1/4"	2 - 3/4"
B	4-1/4"	4-1/4"	4-3/8"	5 - 1/2"	6/1/8"	7-1/4"
WGT.	1	1	1-1/4	2-1/2	3-1/2	5-1/2



How to Order

VS	Size	Material	Range
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- 2 = ½"
- 3 = ¾"
- 4 = 1"
- 5 = 1 - ¼"
- 6 = 1 - ½"
- 8 = 2"

- A = Brass
- S = Stainless

- 1 = 3" - 15"
- 2 = 10" - 28"