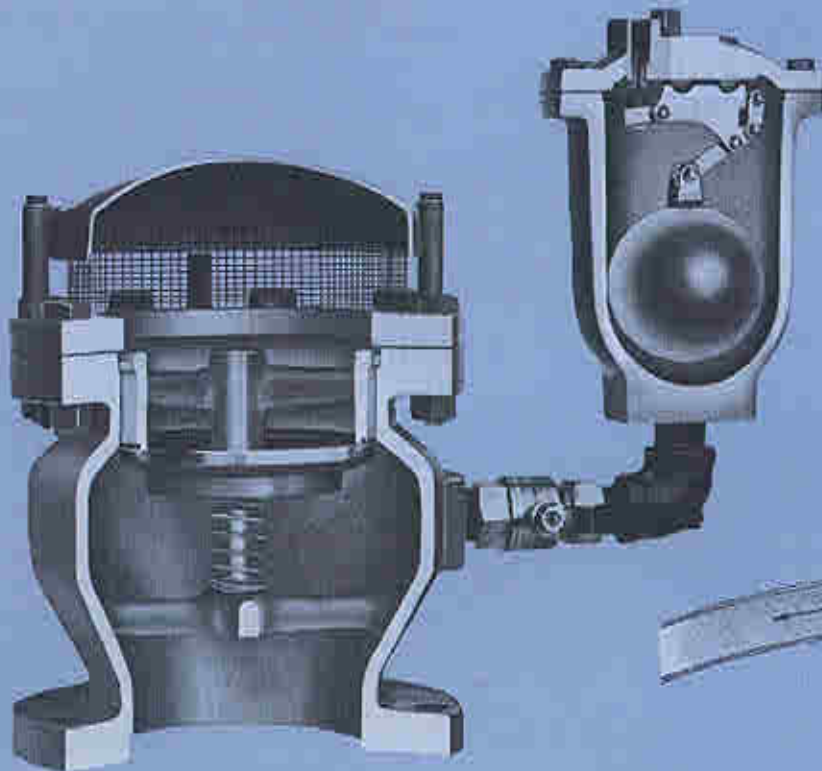
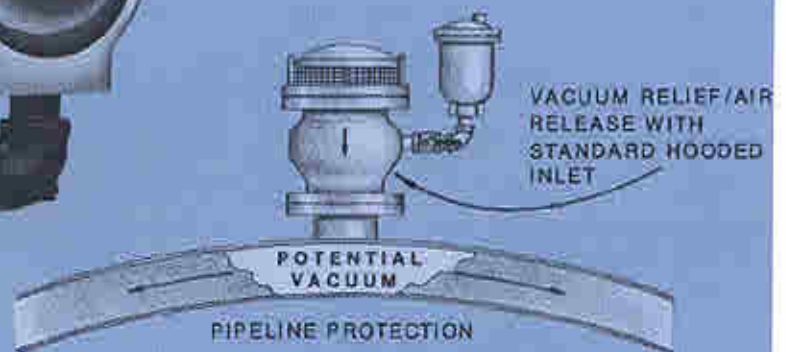


VAL-MATIC

“HIGH FLOW” VACUUM RELIEF VALVE



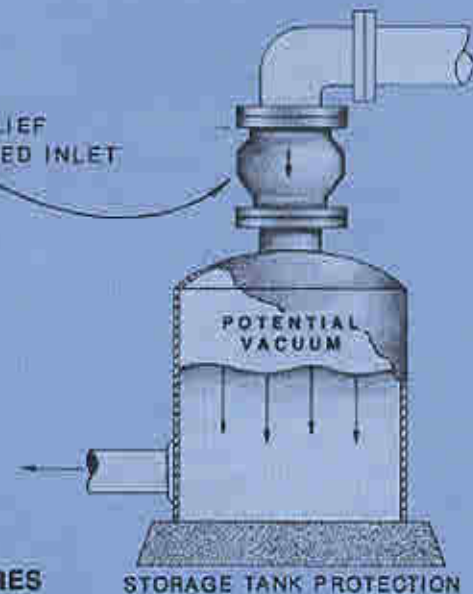
Maintain
System Protection
and
Efficiency



Special Features

- FULL FLOW AREA
- SIZES 2" THROUGH 42"
- ANSI FLANGED CONNECTION
- HOODED OR FLANGED AIR INLET
- WORKING PRESSURES UP TO 400 P.S.I.
- RESPONDS TO .25 P.S.I. PRESSURE DIFFERENTIAL
- POSITIVE SYNTHETIC SEALING AT ALL WORKING PRESSURES

VACUUM RELIEF
WITH FLANGED INLET

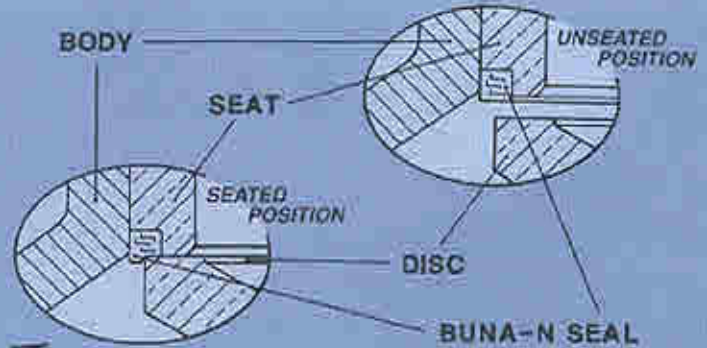
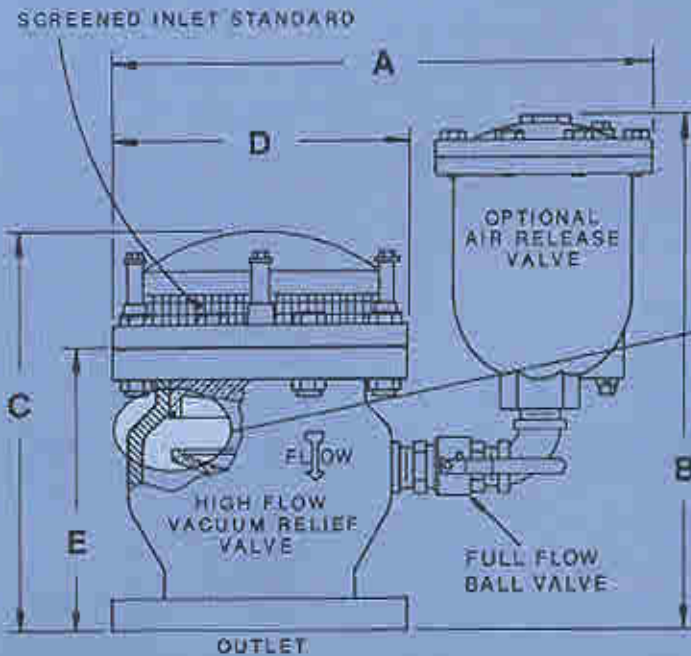


The Val-Matic "High Flow Vacuum Relief Valve" provides **system protection** during critical vacuum conditions caused by power failure, system rupture and pressure surges. Controlling the vacuum during these conditions can avoid related problems such as:

- Pipeline and storage tank collapse.
- System contamination, resulting from foreign substances being drawn into the system through weakened seals and gaskets.
- Intensified surges on column separation, caused by vacuum assisted column return.

When supplied in combination with a Val-Matic Air Release Valve, air can be admitted into a system in large volumes through the "High Flow Vacuum Relief Valve" and exhausted slowly through the Air Release Valve. This arrangement allows the large volumes of air, which are being exhausted slowly, to act as a cushion during surge conditions.

"High Flow Vacuum Relief Valves", are also used to supplement conventional Air/Vacuum Valves when conditions require greater in-take capacity than exhaust capacity.



The unique seating design provides initial contact with the valve disc and the Buna-N ring, providing a drop-tight seal. As the pressure increases, the Buna-N ring is compressed slightly and the disc makes contact with the metal portion of the valve seat, preventing any further compression of the Buna-N ring. The Buna-N ring will continue to provide the "drop-tight seating" during the higher pressure ranges without damage from the increased pressure loading.

FLANGED INLET AVAILABLE—ADD 'F' TO MODEL NO.
i.e. 1803VB_F

PRESSURE/TEMPERATURE RATING			
MAXIMUM NON-SHOCK PRESSURE			
MAXIMUM TEMPERATURE 150° F.			
ANSI CLASS 125		ANSI CLASS 250	
2"-12"	14"-42"	2"-12"	14"-42"
200	150	400	300

ANSI CLASS 125							
SIZE	* VACUUM RELIEF WITH AIR RELEASE			VACUUM RELIEF ONLY			
	MODEL NO.	A	B	MODEL NO.	C	D	E
2	1802 VB/38	15 1/4	14 3/4	1802 VB	8 3/4	6	5 1/2
2 1/2	1802 1/2 VB/38	15 1/4	14 3/4	1802 1/2 VB	8 3/4	7	5 1/2
3	1803 VB/38	16	15	1803 VB	10	7 1/2	6
4	1804 VB/38	17 1/2	15 1/2	1804 VB	11 1/4	9	7 1/4
5	1805 VB/38	19	16	1805 VB	13	10	8 1/2
6	1806 VB/38	20 1/4	16 1/4	1806 VB	14 1/4	11	9 3/4
8	1808 VB/38	23	18 1/4	1808 VB	18	13 1/2	12 1/2
10	1810 VB/38	26	19 3/4	1810 VB	21 1/2	16	15 1/2
12	1812 VB/38	29	19 1/4	1812 VB	21 3/8	19	14 1/4
14	1814 VB/38	31 1/4	20	1814 VB	22 3/4	21	15 3/4
16	1816 VB/38	33 3/4	21	1816 VB	26 1/2	23 1/2	17 5/8

ANSI CLASS 250							
SIZE	* VACUUM RELIEF WITH AIR RELEASE			VACUUM RELIEF ONLY			
	MODEL NO.	A	B	MODEL NO.	C	D	E
2	1852 VB/38	15 1/2	14 3/4	1852 VB	8 3/4	6 1/2	5 1/2
2 1/2	1852 1/2 VB/38	15 1/2	14 3/4	1852 1/2 VB	8 3/4	7 1/2	5 1/2
3	1853 VB/38	16 1/2	15	1853 VB	10	8 1/4	6
4	1854 VB/38	18	15 1/2	1854 VB	11 1/4	10	7 1/4
5	1855 VB/38	19 1/2	16	1855 VB	13	11	8 1/2
6	1856 VB/38	21	16 1/4	1856 VB	14 1/4	12 1/2	9 3/4
8	1858 VB/38	24	18 1/4	1858 VB	18	15	12 1/2
10	1860 VB/38	26 3/4	19 3/4	1860 VB	21 1/2	17 1/2	16 1/2
12	1862 VB/38	30	19 1/4	1862 VB	21 3/8	20 1/2	14 1/4
14	1864 VB/38	32 1/4	20	1864 VB	22 3/4	23	15 3/4
16	1866 VB/38	34 3/4	21	1866 VB	26 1/2	25 1/2	17 5/8

*ADDITIONAL AIR RELEASE VALVES ARE AVAILABLE TO MEET YOUR SPECIFIC REQUIREMENTS (SEE BULLETIN NO. 15)

SIZES AVAILABLE TO 42" FOR BOTH 125 & 250 LB.

Note: 2" inlet flange holes are drilled and tapped. All other sizes have thru holes.

Contact us for more information:

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Phone: 281-324-1500 • Fax: 281-324-4595

Email: sales@valveandequipment.com

Website: www.ValveAndEquipment.com

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