

BREATHER VALVE Section 1.3

PRESSURE VACUUM RELIEF VALVE WITH PIPE AWAY

KSBG/GS TYPE PRESSURE VACUUM RELIEF VALVE



The model KSBG and KSGS pressure vacuum valves are an advanced design for pipe away applications. Designed, manufactured and tested according to the API 2000 code, these valves utilize the latest technologies to provide protection against positive or vacuum over pressure and prevent air intake, evaporative losses of product and help to contain odorous and potentially explosive vapours.

■ Introduction ■

These pressure vacuum valves maintain a tight seal until system pressure or vacuum exceeds the set pressure.

The valves allow an intake of air under constant pressure during emptying, or discharge excessive over pressure during filling of the tanks.

The KSBG is a weighted pallet model designed to handle pressure and vacuum with a minimum pressure of +/-20mmW.C and a maximum setting of +/- 700mmW.C

The KSGS is a spring loaded model designed to handle pressure and vacuum with a minimum pressure of +/-700mmW.C and a maximum setting of +/- 7,000mmW.C.

High strength, one-body casting provide added structural integrity and durability.

Body materials are available in Aluminium, Carbon Steel, 304SS and 316SS with various trims to suit individual requirements.

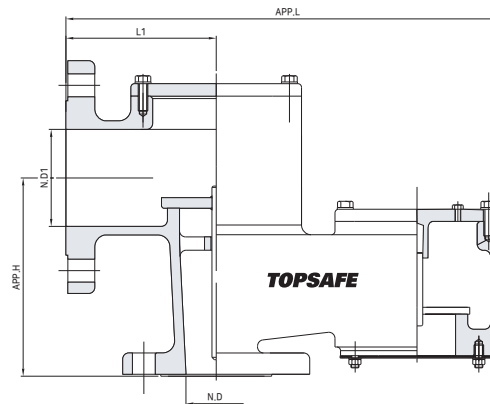
Sizes range from 50mm through to 300mm with ANSI 150lb FF flanges as standard. (Different connections available on request).

ISO 9001 Registered

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KSBG Weight Loaded Type

For high pressure setting, KSGS Type Spring Loaded Valve are available on request.

Dimension Table

	Unit = mm					
Size	2" x 2"	2" x 3"	3" x 4"	4" x 4"	6" x 6"	8" x 8"
N.D	50	80	100	100	150	200
N.D 1	50	50	80	100	150	200
APP. L	349	350	487	505	535	1010
L1	125	125	170	180	175	340
APP. H	174	183	255	245	275	440

Notes : Standard Connection : ANSI 150LB FF flange, JIS or different sizes available on request.

Materials of Construction

ITEM NO.	COMPONENT	BODY	ALUMINIUM	C.S	304 S.S	316S.S
		TRIM	304 S.S	304 S.S	304 S.S	316S.S
1	BODY		ALUMINIUM	C.S	304 S.S	316 S.S
2	SEAT		304 S.S	304 S.S	304 S.S	316 S.S
3	GUIDE POST		304 S.S	304 S.S	304 S.S	304 S.S
4	SCREEN		304 S.S	304 S.S	304 S.S	304 S.S
5	COVER		ALUMINIUM	C.S	304 S.S	316 S.S
6	BOLT/NUT		304 S.S	304 S.S	304 S.S	304 S.S
7	PALLET ASSEMBLY		304 S.S	304 S.S	304 S.S	316 S.S
	DIAPHRAGM			TEFLON		
	PALLET WEIGHT			LEAD		
8	STEM		304 S.S	304 S.S	304 S.S	316 S.S