

BREATHER VALVE Section 1.7

PRESSURE VACUUM RELIEF VALVE WITH FLAME ARRESTER

KSBBFI/BSF TYPE BREATHER VALVE WITH FLAME ARRESTER



The model KSBBFI and KSBSFI pressure vacuum valves with flame arrester are an advanced design for vent to atmosphere applications.

Designed manufactured and tested according to the API 2000 code and BS7244 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 ■

Model KSBBFI /BSFI, which is used for the protector of fluid storage tank, is composed of one body with the functions of pressure relief, vacuum relief, and to block the external repellent fire.

This is consist of the flame arrester which blocks the external repellent fire, the function of discharge the overpressure developed during intake air to the storage tank, and the function of intake the air under the constant pressure during unloading. And this is the safe valve to prevent the many kinds of storage tank from the deflation (vacuum), inflation (pressure) and fire.

The standard flame cell is suitable for NEC group D or IEC IIA gases, Cells for other gas groups are available as additional extras.

The KSBBFI 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 KSBSFI 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.

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

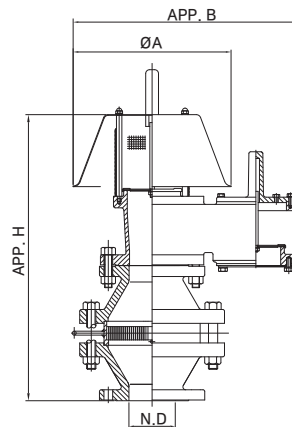
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KSBBFI Weight Loaded Type

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

Dimension Table

	Unit = mm						
Size	2"	3"	4"	6"	8"	10"	12"
N.D	50	80	100	150	200	250	300
Ø A	252	330	350	440	500	580	620
APP. B	367	463	500	626	754	879	979
APP. H	512	567	588	740	822	883	1017

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	316 S.S
		TRIM	304 S.S	304 S.S	304 S.S	316 S.S
1	BODY(KSBB TYPE)		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	HOOD			EGI		304 S.S
7	BOLT/NUT		304 S.S	304 S.S	304 S.S	304 S.S
8	CAP NUT		304 S.S	304 S.S	304 S.S	304 S.S
9	PALLET ASSEMBLY		304 S.S	304 S.S	304 S.S	316 S.S
	DIAPHRAGM			TEFLON		
	PALLET WEIGHT			LEAD		
10	STEM		304 S.S	304 S.S	304 S.S	316 S.S
11	BODY (FLAME ARRESTER)		ALUMINIUM	C.S	304 S.S	316 S.S
12	ELEMENT RING		304 S.S	304 S.S	304 S.S	316 S.S
13	ELEMENT		304 S.S	304 S.S	304 S.S	316 S.S

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