

**BREATHER VALVE WITH
FLAME ARRESTER****KSBBFH/BSFH**

The model KSBBFH and KSBSFH 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, BS7244, and EN12874 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 vapors.

*** FACTORY MUTUAL APPROVAL FOR MOST SIZE
AND MATERIALS.**

Introduction

Model KSBBFH /BSFH, 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 KSBBFH is a weighted pallet model designed to handle pressure and vacuum with a minimum pressure of +/-20mmW.C and a maximum setting of + 700/-430 mmW.C

The KSBSFH is a spring loaded model designed to handle pressure and vacuum with a minimum pressure of +/-700mmW.C and a maximum setting of +/- 9,000mmW.C.

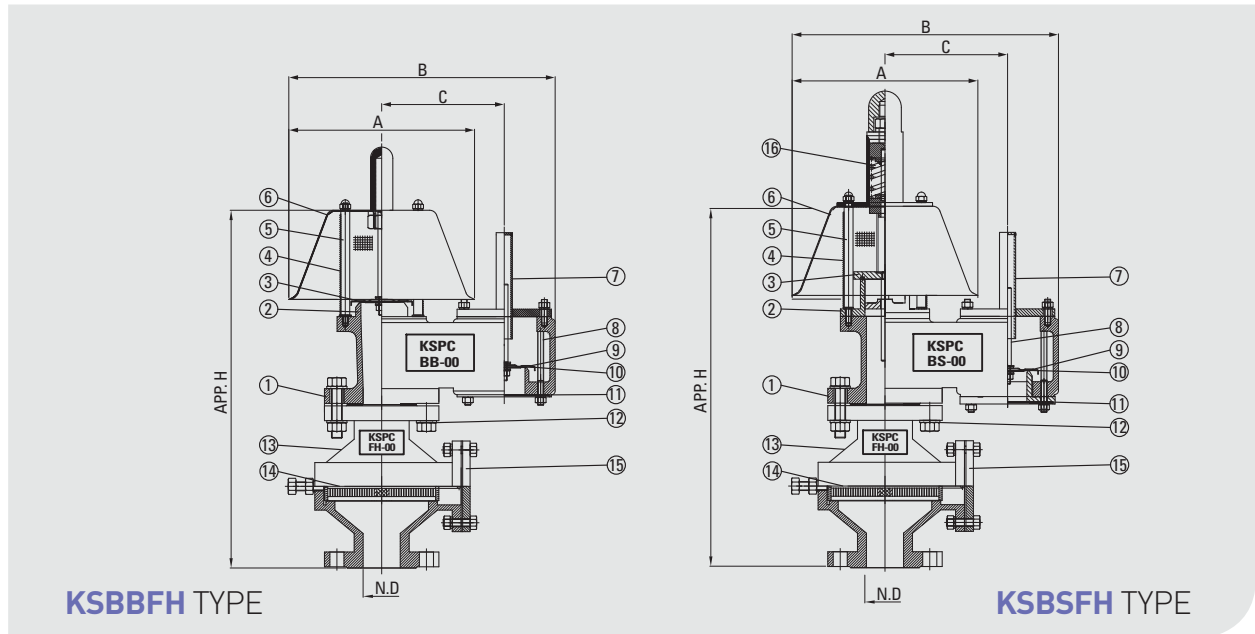
Body materials are available in Aluminium, Carbon Steel, 304SS and 316SS with various trims to suit individual requirements.

Sizes range from 50mm through to 350mm with ANSI 150lb flanges as standard. (Different connections available on request).

The valves with flame arrester have additional FM factory mutual approval for the majority of sizes and materials.

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Dimension Table

Unit : Metric

SIZE	2"	3"	4"	6"	8"	10"	12"	14"
ND	50	80	100	150	200	250	300	350
A	250	294	324	440	476	544	620	685
B	359	446	485	627	742	861	978	1125
C	165	206	230	283	348	406	466	542
APP.H	485	544	589	692	754	863	928	1132

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

Materials of Construction

ITEM NO	COMPONENT	BODY	ALUMINIUM	C.S	SS304	SS316
		TRIM	SS304	SS304	SS304	SS316L
1	BODY		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
2	SEAT		B26-319.F	A351-CF8	A351-CF8	A351-CF8M
3	PRESSURE DISC		SS304	SS304	SS304	SS316L
4	BIRD SCREEN		SS304	SS304	SS304	SS316L
5	PRESSURE GUIDE POST		SS304	SS304	SS304	SS316L
6	WEATHER HOOD		SS304	SS304	SS304	SS316L
7	VACUUM COVER		B26-319.F	C.S	SS304	SS316L
8	VACUUM GUIDE POST		SS304	SS304	SS304	SS316L
9	VACUUM DISC		SS304	SS304	SS304	SS316L
10	DIAPHRAGM		TEFLON			
11	VACUUM SCREEN		SS304	SS304	SS304	SS316L
12	BOLT/NUT		A193-B7 / A194-2H OR SS			
13	BODY-2		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
13.1	PALLET WEIGHT		COATED CS / SS			
14	ELEMENT		SS316L			
15	COVER		ALUNIMUM	C.S	SS304	SS316L