

## PRESSURE VACUUM RELIEF VALVE VENT TO ATMOSPHERE

# KSBB/BS



The model KSBB and KSBS pressure vacuum valves are an advanced design for vent to atmosphere 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 vapor.

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

**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.

Flow curves are provided to help you select the proper valve size for venting requirements.

In addition, KSPC's applications engineers are always available to assist you.

The KSBB 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 KSBS is a spring loaded model designed to handle pressure and vacuum with a minimum pressure of +700/-430mmW.C and a maximum setting of +/- 9,000mmW.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.

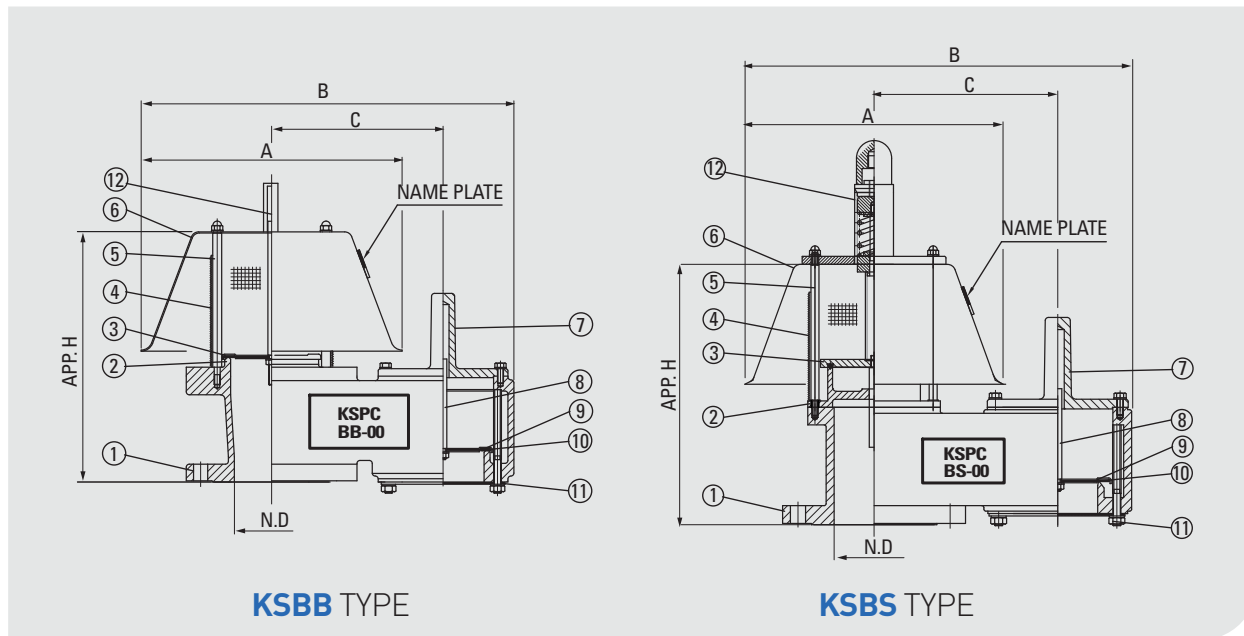
Sizes range from 50mm through to 350mm with ANSI 150lb flanges as standard. (Different connections available on request).

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

## Section 1.1

PRESSURE VACUUM RELIEF VALVE  
VENT TO ATMOSPHERE

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## Dimension Table

Unit : Metric

SIZE	2"	3"	4"	6"	8"	10"	12"	14"
DN	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	271	304	327	398	449	509	558	567

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	PRESSURE 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	PRESS. 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 STEM		SS304	SS304	SS304	SS316L
9	VACUUM DISC		SS304	SS304	SS304	SS316L
10	DIAPHRAGM		TEFLON			
11	VACUUM SCREEN		SS304	SS304	SS304	SS316L
12	STEM GUIDE		SS304	SS304	SS304	SS316L
12.1	PALLET WEIGHT		COATED CS OR SS			
13	SPRING		SS304	SS304	SS304	SS316