

## PRESSURE VACUUM RELIEF VALVE WITH PIPE AWAY

# KSBG/GS



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.

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 KSBG 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 KSGS 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.

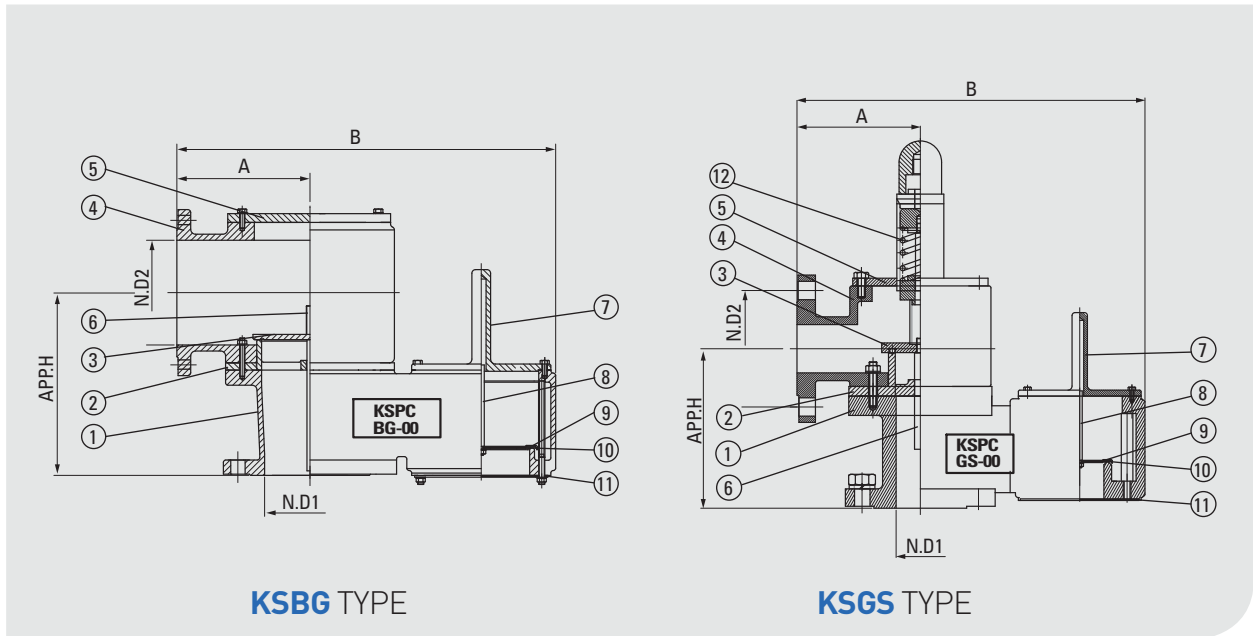
Body materials are available in Aluminium, Carbon Steel, 304SS and 316SS with various trims to suit individual requirements.

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

## Section 1.2

PRESSURE VACUUM RELIEF VALVE  
WITH PIPE AWAY

## KSBG/GS



## Dimension Table

Unit : Metric

SIZE	2" X 2"	3" X 3"	4" X 4"	6" X 6"	8" X 8"	10" X 10"	12" X 12"	14" X 14"
ND 1	50	80	100	150	200	250	300	350
ND 2	50	80	100	150	200	250	300	350
A	132	171	184	223	258	279	329	415
B	366	470	507	630	762	868	997	1197
APP.H	165	204	227	282	338	387	449	483
SIZE	2" X 3"	3" X 4"	4" X 6"	6" X 8"	8" X 10"	10" X 12"	12" X 14"	14" X 16"
ND 1	50	80	100	150	200	250	300	350
ND 2	80	100	150	200	250	300	350	400
A	142	172	189	228	258	290	343	420
B	376	471	512	635	762	879	1011	1211
APP.H	186	214	252	307	363	412	474	523

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

## Materials of Construction

ITEM NO	COMPONENT	BODY	ALUMINIUM	C.S	SS304	SS316
		TRIM	SS304	SS304	SS304	SS316
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	BODY-2		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
5	PRESSURE COVER		ALUNIMUM	C.S	SS304	SS316L
6	PRESSURE STEM		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
11.1	PALLET WEIGHT		COATED CS OR SS			
12	SPRING		SS304	SS304	SS304	SS316