



SECTION 1.1_KSBBFY/BSFY

PRESSURE VACUUM RELIEF VALVE VENT TO ATMOSPHERE

INTRODUCTION

The model KSBBFY and KSBSFY pressure vacuum valves with a silica gel filter are an advanced design for vent to atmosphere applications.

Moisture in the air in the vapor space of tanks tends to spoil the qualities of tank contents. Hence, a silica gel filter option installed in the vents of tanks in retail outlets. 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.

Setting Pressure

KSBBFY Weight Loaded model	Min. +/- 20 mmW.C ~ Max. + 700/- 430 mmW.C
KSBSFY Spring Loaded model	Min. + 700/- 430 mmW.C ~ Max. +/- 9,000 mmW.C

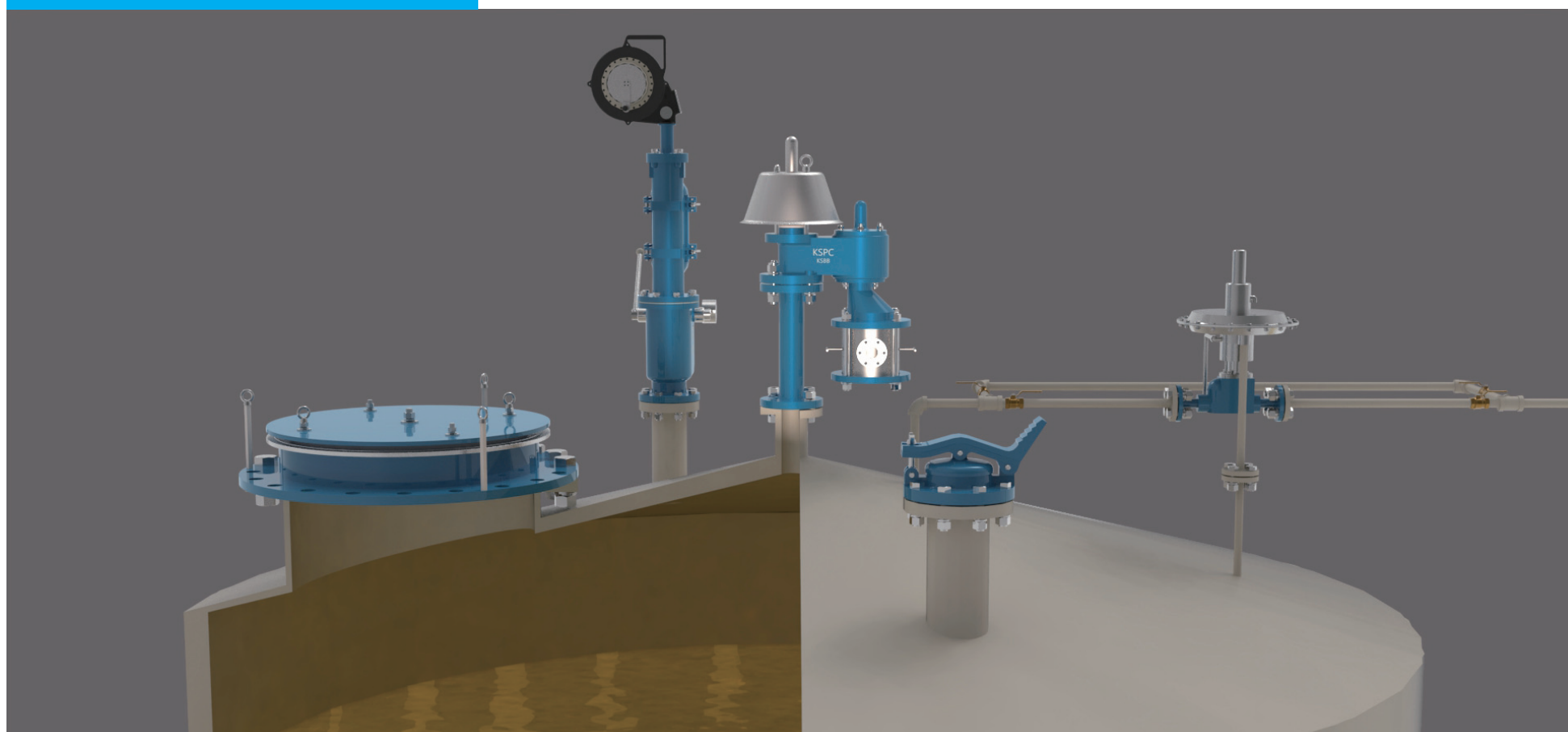
Body Materials Aluminium, Carbon Steel, SS304 and SS316 with various trims
(Different materials available on request)

sizes range DN 50 ~ DN 350 with ASME 150Lb flanges
(Different connections available on request)

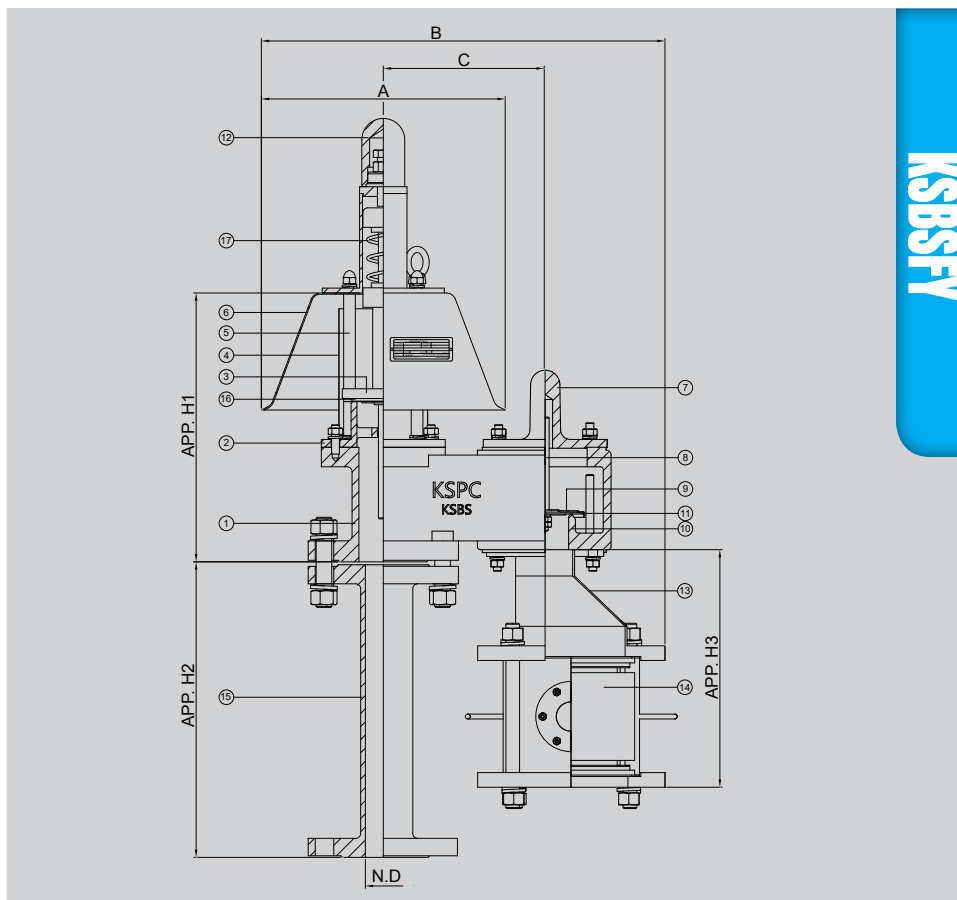
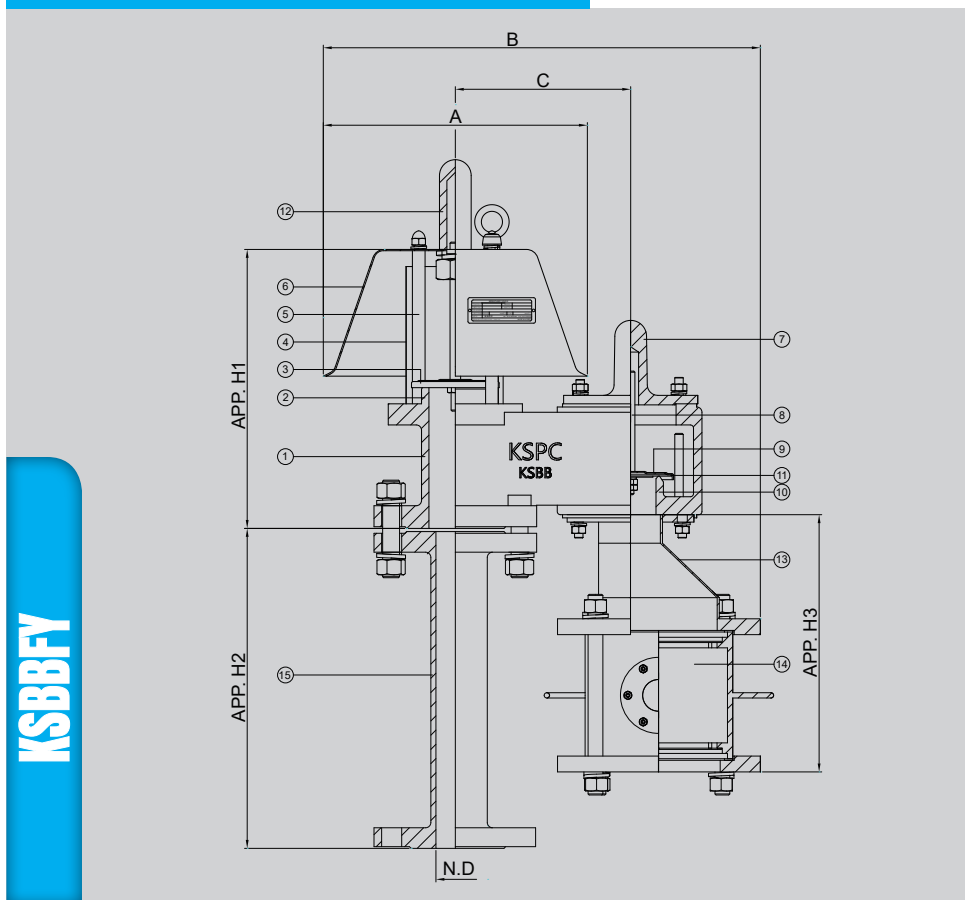
Rules & certifications API 2000

Optimum / optional Design & Arrangements Stem Jacket type, Steam Tracing type, Proximity type, Teflon Coating/Lining type

APPLICATION



OUTLINE DRAWING



KSBBFY

KSBSFY

Section 1.1
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DIMENSION TABLE

SIZE	2"	3"	4"	6"	8"	10"	12"	14"
N.D	50	80	100	150	200	250	300	350
A	250	294	324	440	476	544	620	685
B	415	462	525	690	827	920	1069	1175
C	165	206	230	283	348	406	466	542
Approx. H1	361	378	422	484	545	604	653	662
Approx. H2	300	300	335	430	500	550	750	800
Approx. H3	245	245	312	355	390	415	572	597

NOTE Standard Connection(ASME 150Lb flange) and JIS or different types are available upon request.

COMPONENT MATERIAL

ITEM NO	COMPONENT	BODY	ALUMINIUM	CARBON STEEL	SS304	SS316
		TRIM	SS304	SS304	SS304	SS316/316L
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	SS316
5	PRESS. GUIDE POST		SS304	SS304	SS304	SS316
6	WEATHER HOOD		SS304	SS304	SS304	SS316L
7	VACUUM COVER		B26-319.F	CARBON STEEL	SS304	SS316L
8	VACUUM STEM		SS304	SS304	SS304	SS316
9	VACUUM DISC		SS304	SS304	SS304	SS316L
10	VACUUM SEAT		B26-319.F	A351-CF8	A351-CF8	A351-CF8M
11	DIAPHRAGM		TEFLON			
12	STEM GUIDE		SS304	SS304	SS304	SS316
13	REDUCER		SS304	CARBON STEEL	SS304	SS316
14	SILICAGEL FILTER		SILICAGEL			
15	CONNECTOR		SS304	CARBON STEEL	SS304	SS316
16	ORING		VITON			
17	SPRING		SS304	SS304	SS304	SS316L