

SECTION 1.4_KSBGJ/GSJ

PRESSURE VACUUM RELIEF VALVE WITH STEAM JACKET

INTRODUCTION

The model KSBGJ and KSGSJ 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 vapours.

Setting Pressure

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

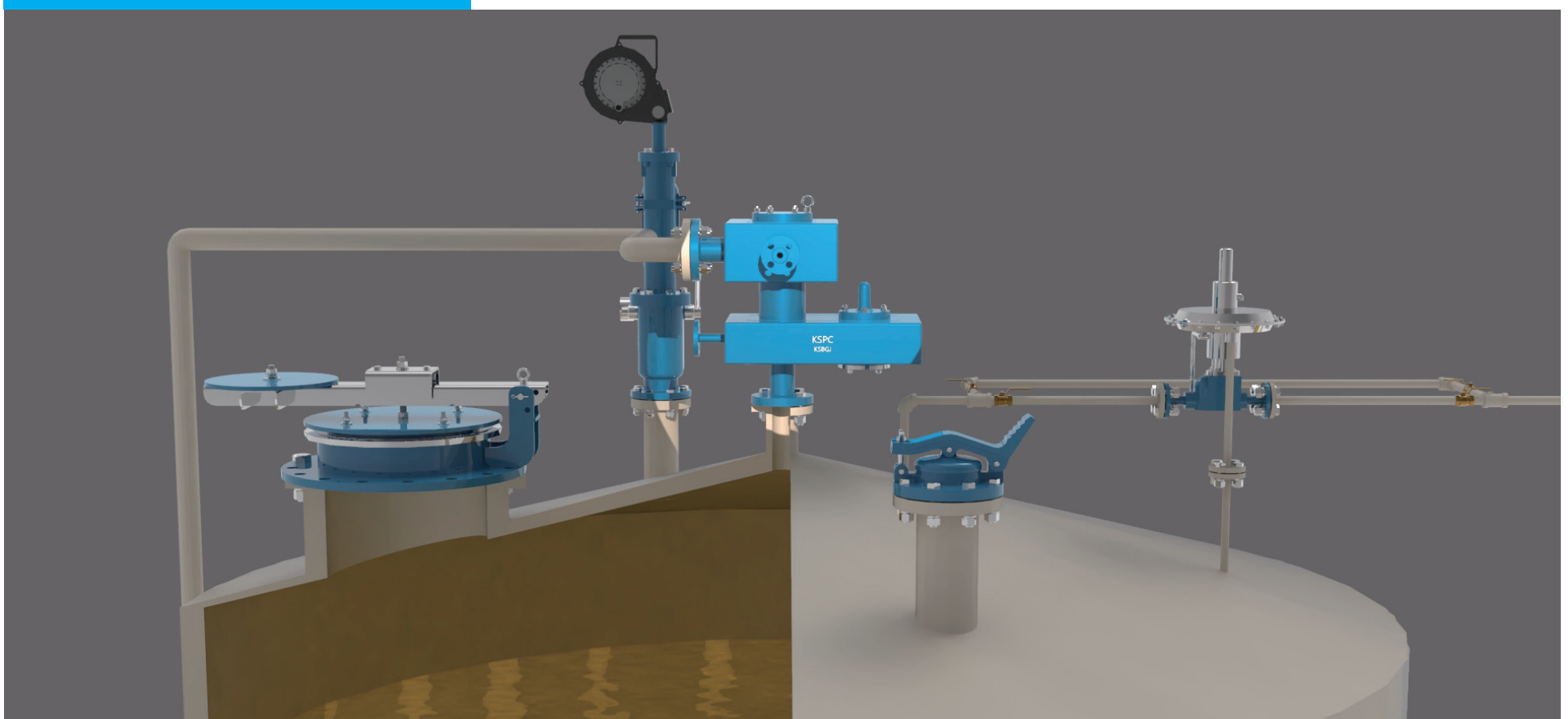
Body Materials Carbon Steel, SS304 and SS316 with various trims
(Different materials available on request)

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

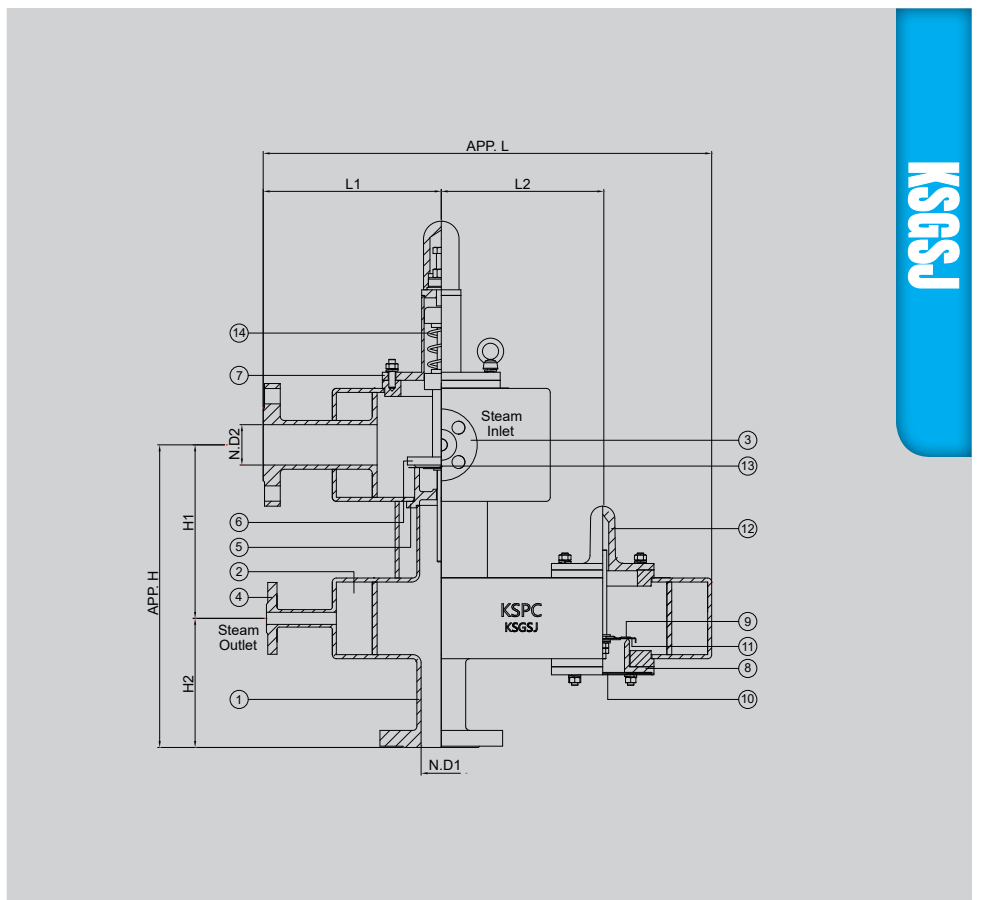
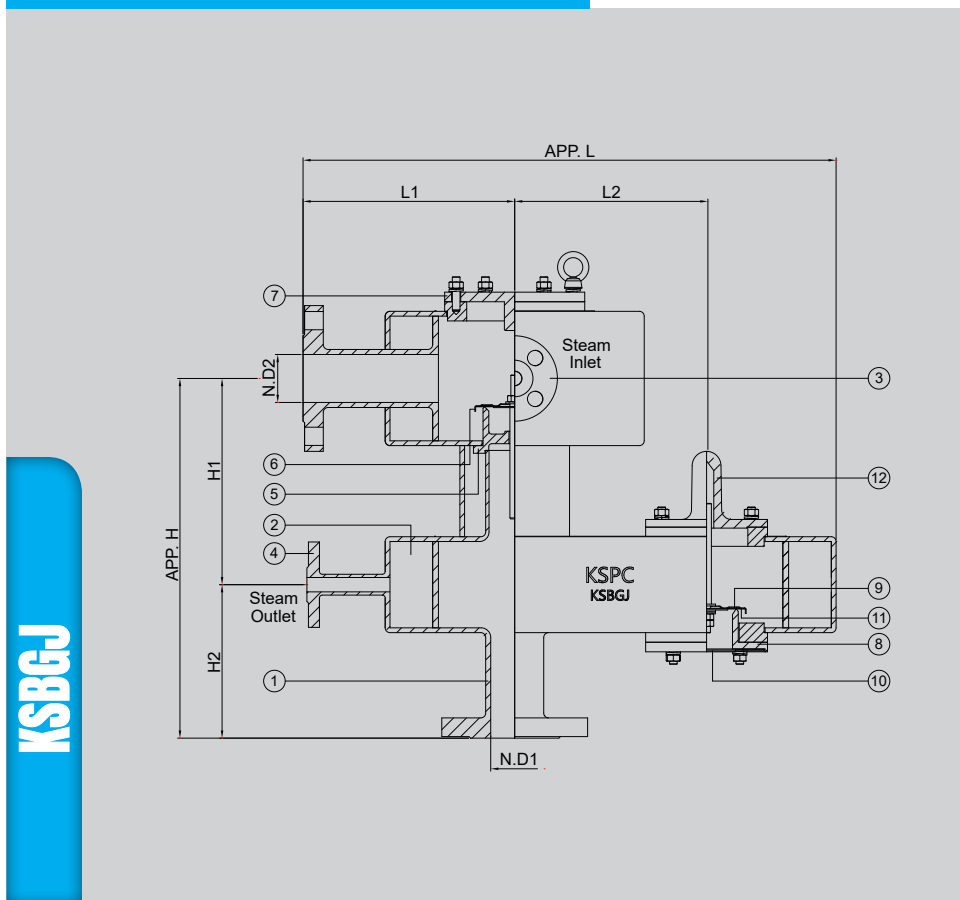
Rules & Certifications API 2000 & KFI

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

APPLICATION



OUTLINE DRAWING



DIMENSION TABLE

SIZE	2"	3"	4"	6"	8"	10"
N.D 1	50	80	100	150	200	250
N.D 2	50	80	100	150	200	250
L 1	250	280	310	340	375	410
L 2	200	240	280	340	395	455
Approx. L	585	670	750	870	985	1090
H 1	245	265	315	315	345	370
H 2	140	150	175	175	185	190
Approx. H	385	415	490	490	530	565

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

COMPONENT MATERIAL

ITEM NO	COMPONENT	BODY	CARBON STEEL	SS304	SS316
		TRIM	SS304	SS304	SS316/316L
1	BODY		CARBON STEEL	SS304	SS316L
2	STEAM JACKET		CARBON STEEL	SS304	SS316L
3	STEAM INLET FLANGE		A105	A182-F304	A182-F316
4	STEAM OUTLET FLANGE		A105	A182-F304	A182-F316
5	PRESSURE SEAT		A351-CF8	A351-CF8	A351-CF8M
6	PRESSURE DISC		SS304	SS304	SS316L
7	PRESSURE SCREEN		SS304	SS304	SS316
8	VACUUM SEAT		A351-CF8	A351-CF8	A351-CF8M
9	VACUUM DISC		SS304	SS304	SS316L
10	VACUUM SCREEN		SS304	SS304	SS316
11	DIAPHRAGM			TEFLON	
12	VACUUM COVER		CARBON STEEL	SS304	SS316L
13	O-RING			VITON	
14	SPRING		SS304	SS304	SS316

KSGSJ

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