



# SECTION 1.7\_KSVR/VS

## VACUUM RELIEF VALVE VENT TO ATMOSPHERE

### INTRODUCTION

**The model KSVR and KSVS** are designed, manufactured and tested according to the API 2000 code. 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

KSVR Weight Loaded model	Min. - 25 mmW.C ~ Max. - 430 mmW.C
KSVS Spring Loaded model	Min. - 430 mmW.C ~ Max. - 9,000 mmW.C

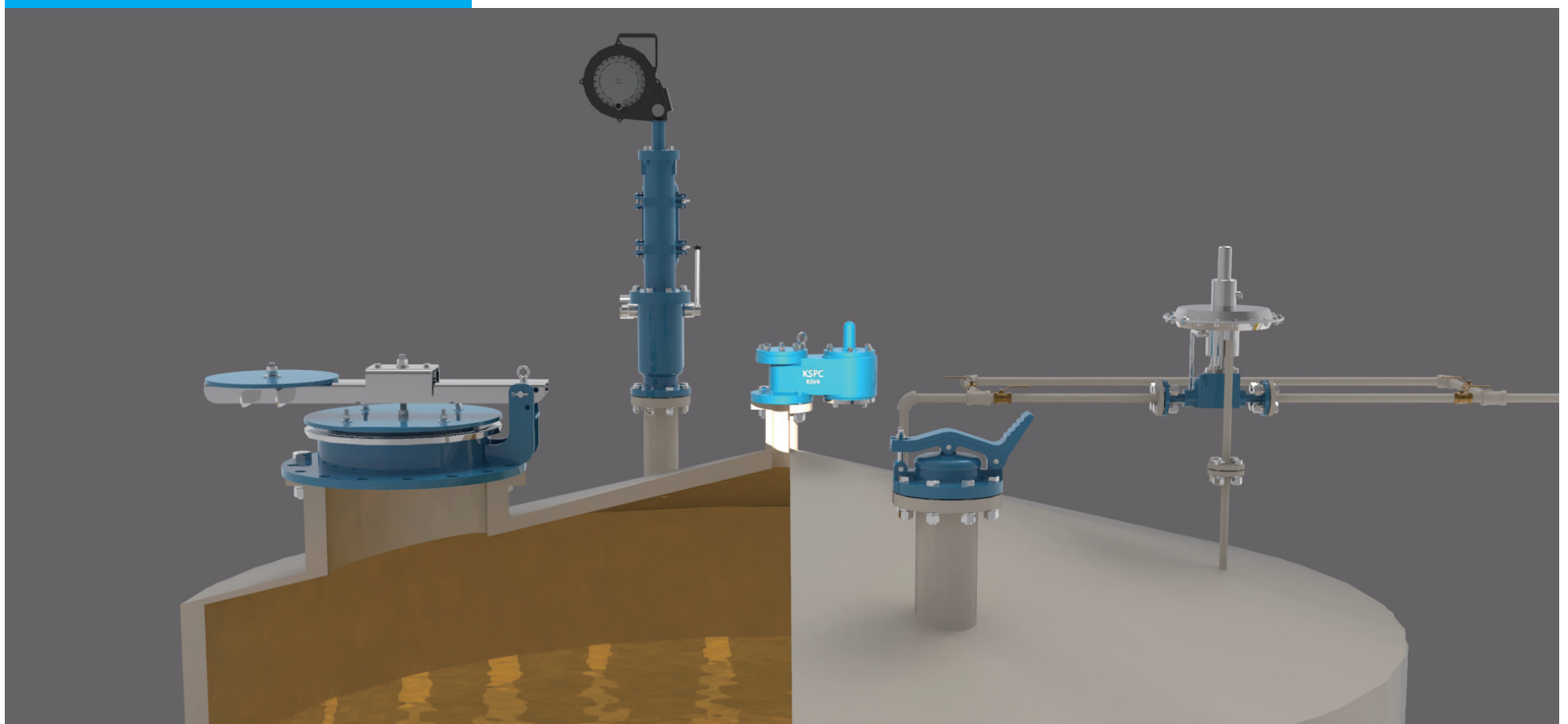
**Body Materials** Aluminium, Carbon Steel, SS304 and SS316 with various trims  
(Different materials available on request)

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

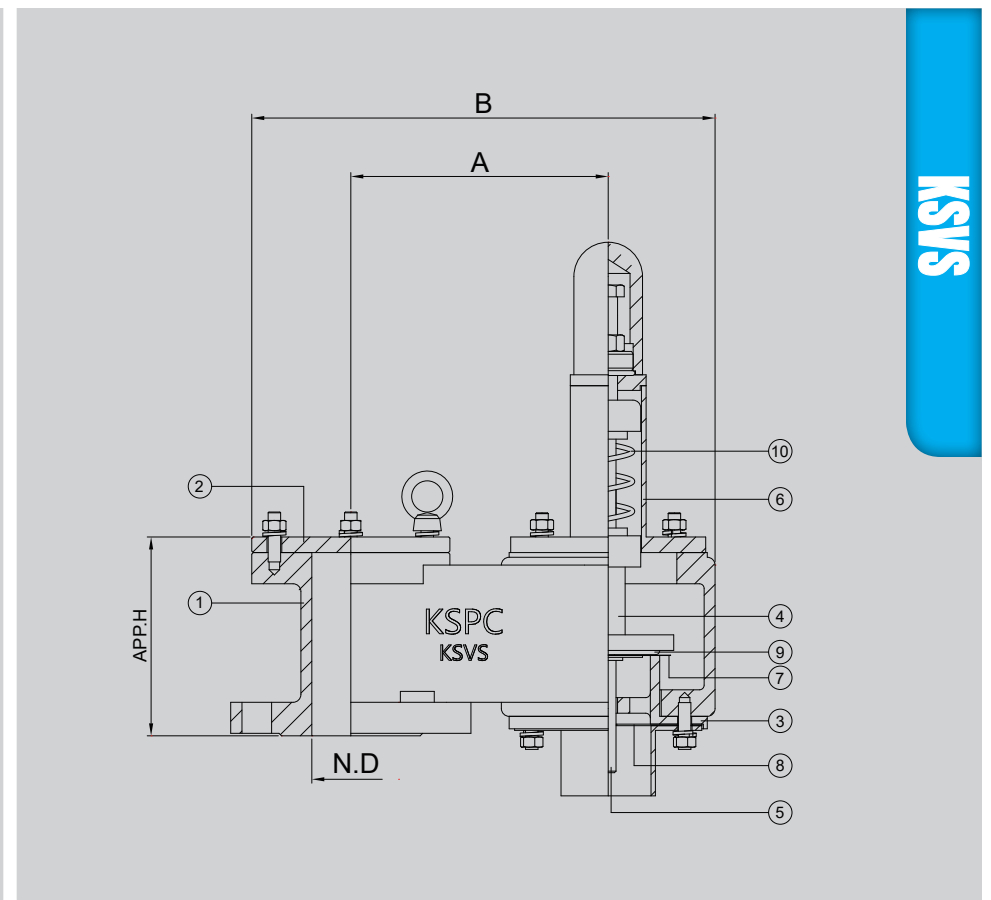
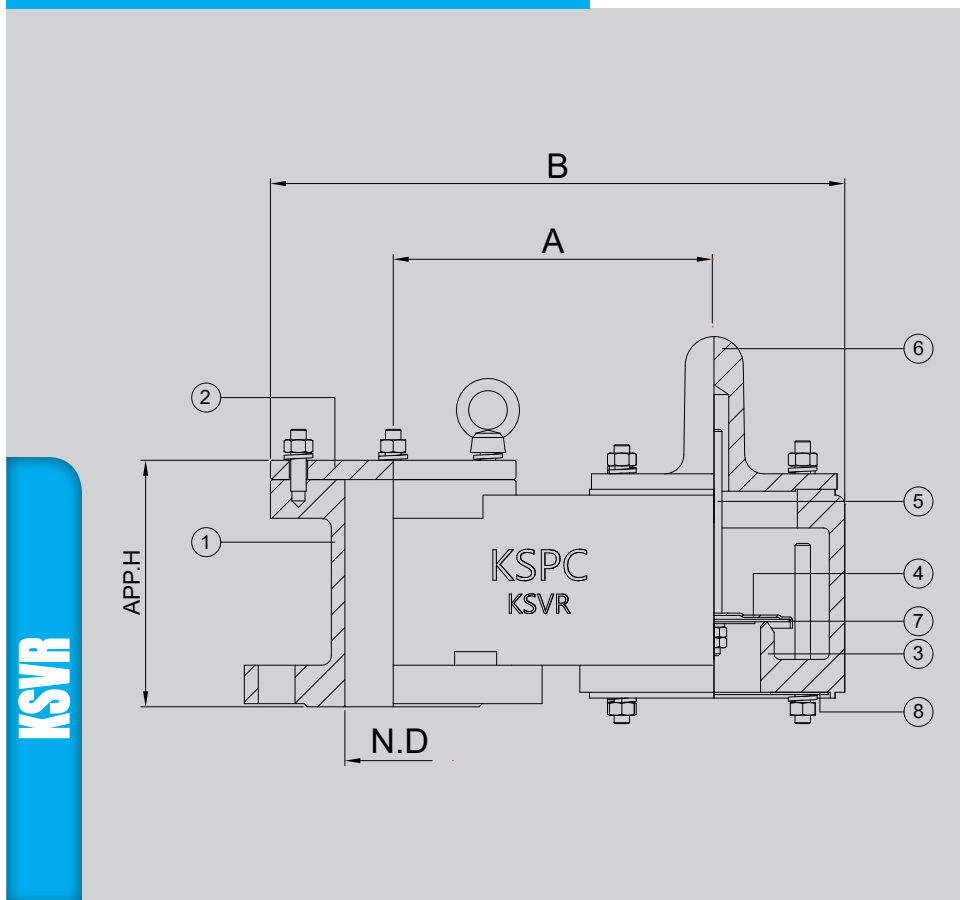
**Rules & Certifications** API 2000 & ATEX / KFI

**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"	12"	14"
N.D	50	80	100	150	200	250	300	350
A	165	206	230	283	348	406	466	542
B	310	395	437	547	676	792	910	1050
Approx. H	128	146	159	184	215	240	274	283

**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	SS316L
1	BODY		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
2	PRESSURE COVER		ALUMINIUM	CARBON STEEL	SS304	SS316L
3	VACUUM SEAT		A351-CF8	A351-CF8	A351-CF8	A351-CF8M
4	VACUUM DISC		SS304	SS304	SS304	SS316L
5	VACUUM STEM		SS304	SS304	SS304	SS316
6	VACUUM COVER		B26-319.F	CARBON STEEL	SS304	SS316L
7	DIAPHRAGM		TEFLON			
8	VACUUM SCREEN		SS304	SS304	SS304	SS316
9	O-RING		VITON			
10	SPRING		SS304	SS304	SS304	SS316