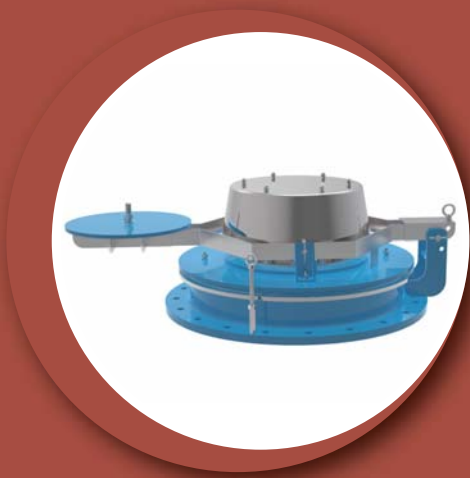




SECTION 4.9_KSEVK

HINGED EMERGENCY RELIEF VALVE PRESSURE VACUUM RELIEF

INTRODUCTION

 **The model KSEVK** is designed to provide emergency pressure vacuum relief for storage tanks when exposed to over pressures and over vacuum that are not handled by standard tank vents. These vents provide the capacity to meet API standard 2000 for emergency venting due to fire exposure when properly sized. These covers can also be easily lifted open, providing a large, unobstructed passage for rapid entry and quick easy access to the tank for tank inspection and maintenance.

Setting Pressure

KSEVK Permanent Setting	Min. + 50/ - 25 mmW.C ~ Max. + 700/ - 700 mmW.C
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 **Body Materials** Aluminium, Carbon Steel, SS304 and SS316 with various trims
(Different materials available on request)

 **Sizes range** DN 400, 450, 500 and DN 600 with ASME 150Lb or API 650 flanges
(Different connections available on request)

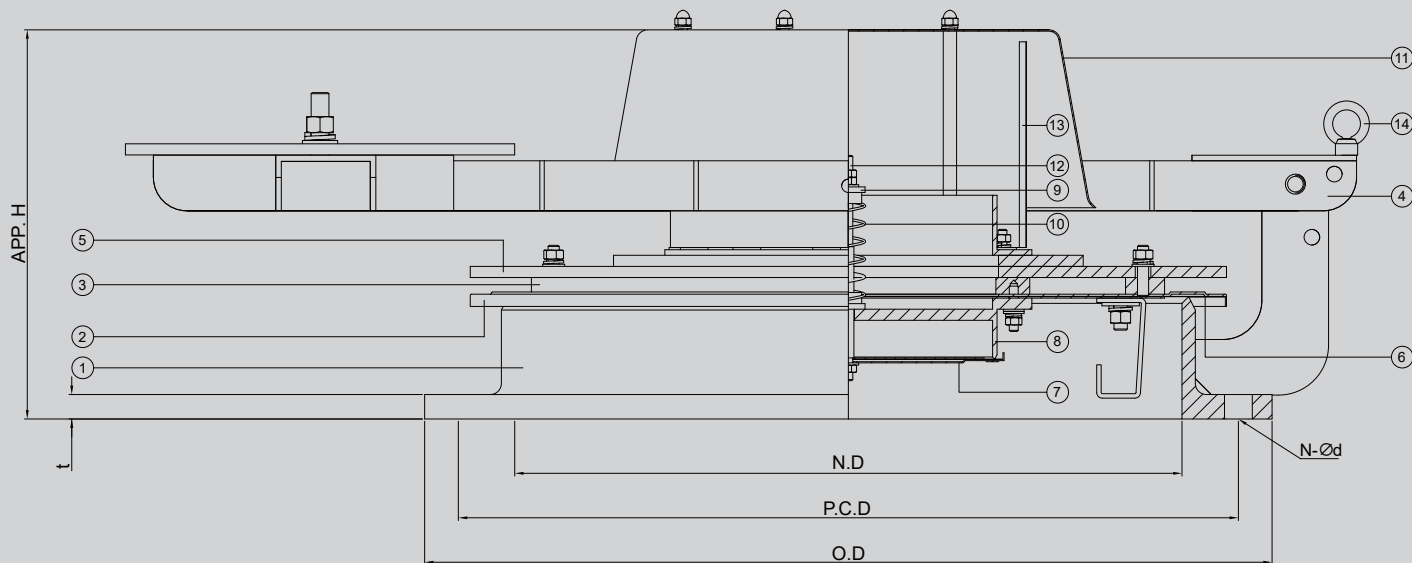
 **Rules & certifications** API 2000 & KFI

 **Optimum / optional Design & Arrangements** Steam jacket type, Proximity type, Teflon Coating /Lining type

APPLICATION



OUTLINE DRAWING



DIMENSION TABLE

SIZE		16"	18"	20"	24"
N.D		400	450	500	600
O.D	API 650	-	-	650/660	750/762
	ASME 150#	595	635	700	815
App. H	MIN.	320	320	320	320
	MAX.	380	380	380	380
P.C.D	API 650	-	-	596.9 / 590 / 597	698.5 / 690 / 699
	ASME 150#	539.7	577.8	635	749.3
N-Ød	API 650	-	-	16-Ø19 / 16-Ø20	20-Ø19 / 20-Ø20
	ASME 150#	16-Ø29	16-Ø32	20-Ø32	20-Ø35
t		18	18	18	18

NOTE Certified dimensions available upon request (STD : API650).

COMPONENT MATERIAL

ITEM NO	COMPONENT	BODY	CARBON STEEL	SS304	SS316
		TRIM	SS304	SS304	SS316L
1	BODY		A216-WCB	A351-CF8	A351-CF8M
2	PRESSURE DISC & PLATE		SS304	SS304	SS316L
3	BASE RING		SS304	CARBON STEEL	CARBON STEEL
4	HINGE & ARM		CARBON STEEL	SS304	SS316L
5	LOADING WEIGHT		CARBON STEEL	CARBON STEEL	CARBON STEEL
6	DIAPHRAGM		FEP+PTFE (NOTE)		
7	VACUUM DISC		SS304	SS304	SS316L
8	VACUUM SEAT		SS304	SS304	SS316/SS316L
9	VACUUM SPRING STEM		SS304	SS304	SS316
10	VACUUM SPRING		SS304	SS304	SS316
11	WEATHER HOOD		SS304	SS304	SS316L
12	VACUUM STEM		SS304	SS304	SS316
13	BIRD SCREEN		SS304	SS304	SS316
14	LIFTING EYE NUT		SS304		SS316

NOTE Other materials are available upon request.