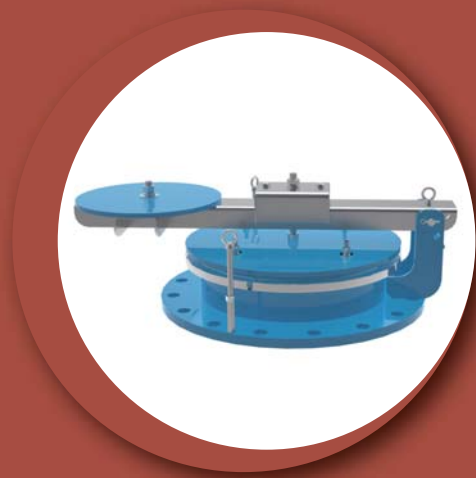




SECTION 4.3_KSEPK

HINGED EMERGENCY RELIEF VALVE PRESSURE RELIEF

INTRODUCTION

 **The model KSEPK** is designed to provide emergency pressure relief for storage tanks when exposed to overpressures 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 also provide quick easy access for tank inspection and maintenance.

Setting Pressure

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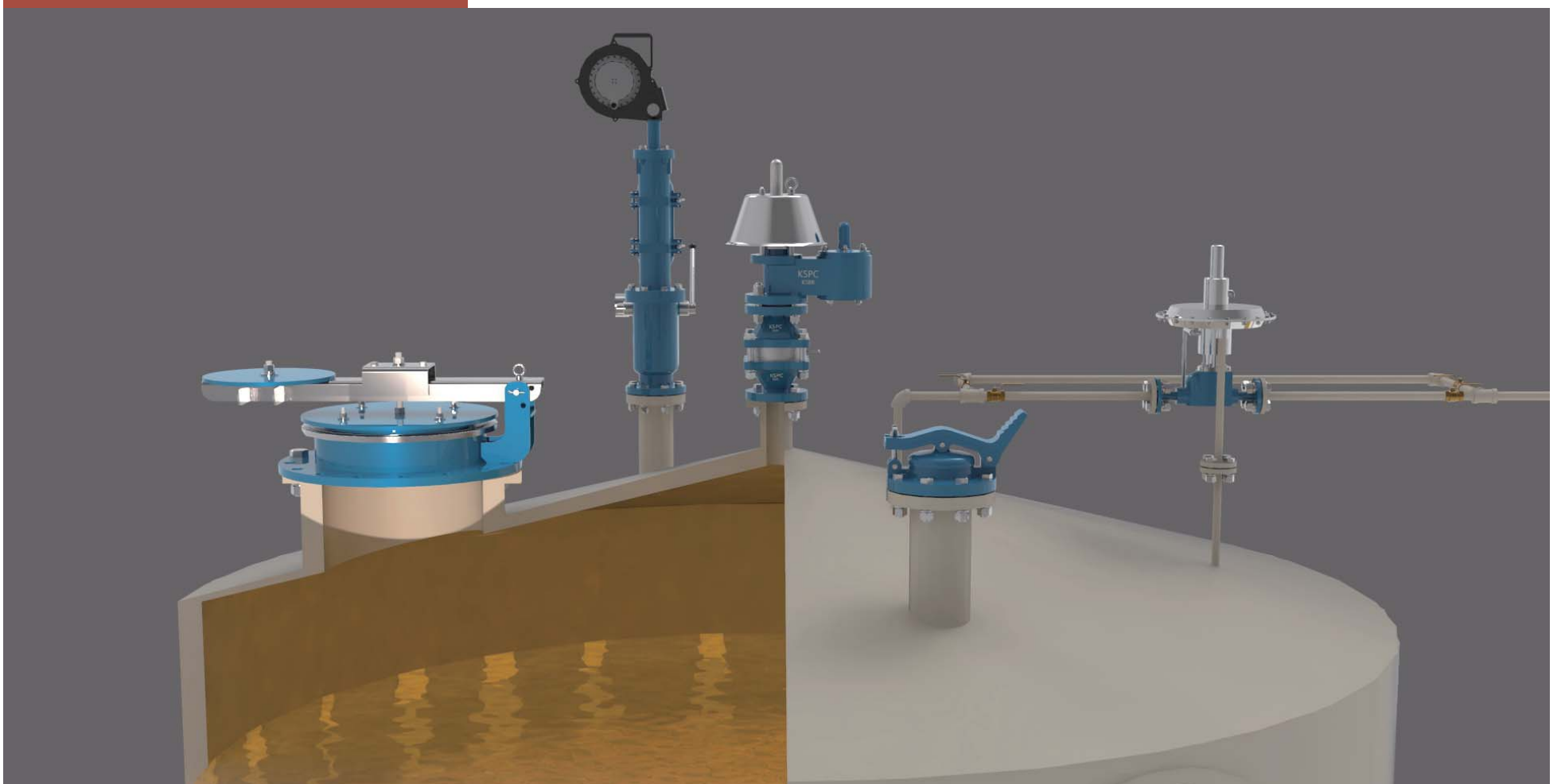
 **Body Materials** Carbon Steel, SS304 and SS316 with various trims
(Different materials available on request)

 **Sizes range** DN 400, 450, 500, 600 and DN 750 with ASME 150Lb or API 650 flanges
(Different connections available on request)

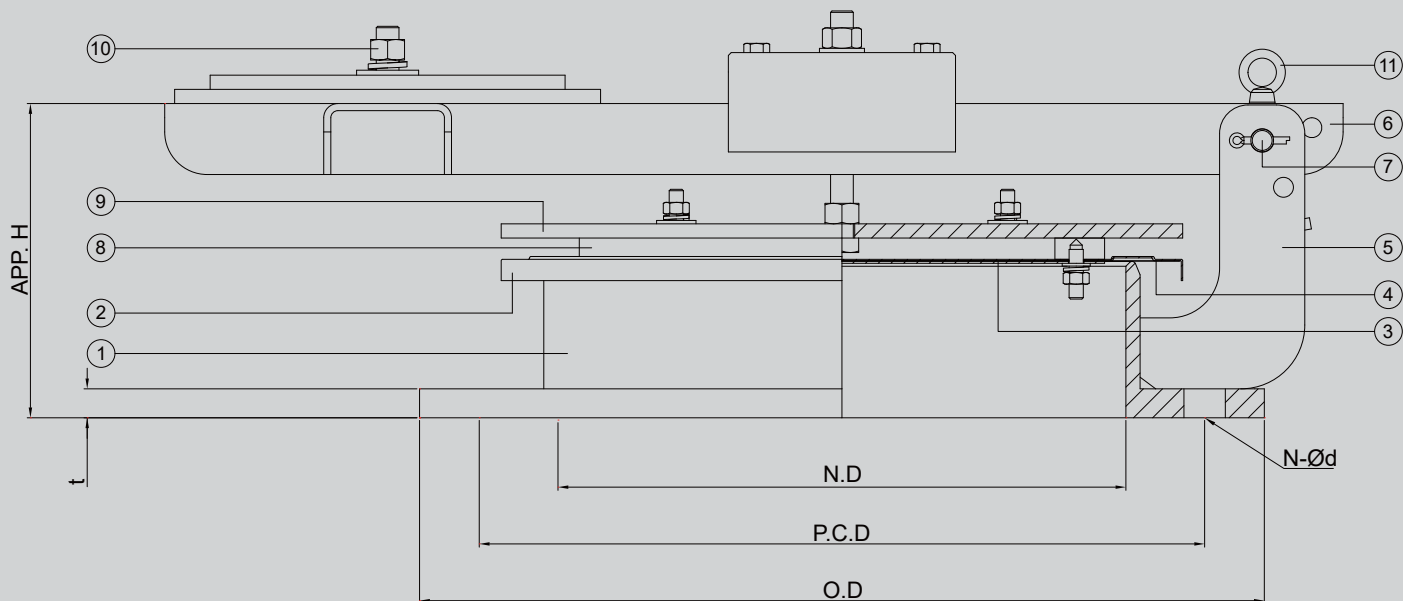
 **Rules & Certifications** API 2000 & ATEX / KFI

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

APPLICATION



OUTLINE DRAWING



DIMENSION TABLE

SIZE		16"	18"	20"	24"	30"
N.D		400	450	500	600	750
O.D	API 650	-	-	650/660	750/762	-
	ASME 150#	595	635	700	815	985
App. H	MIN.	210	210	210	210	220
	MAX.	250	250	250	250	280
P.C.D	API 650	-	-	596.9 / 590 / 597	698.5 / 690 / 699	-
	ASME 150#	539.7	577.8	635	749.3	914.4
N-Ød	API 650	-	-	16-Ø19 / 16-Ø20	20-Ø19 / 20-Ø20	-
	ASME 150#	16-Ø29	16-Ø32	20-Ø32	20-Ø35	28-Ø35
t		18	18	18	18	18

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

COMPONENT MATERIAL

ITEM NO	COMPONENT	BODY	CARBON STEEL	SS304	SS316L
		TRIM	SS304	SS304	SS316/SS316L
1	BODY		A216-WCB	A351-CF8	A351-CF8M
2	DISC		SS304	SS304	SS316L
3	DISC PLATE		SS304	SS304	SS316L
4	DIAPHRAGM		FEP+PTFE (NOTE)		
5	HINGE		CARBON STEEL	SS304	SS316L
6	ARM		CARBON STEEL	SS304	SS316L
7	HINGE PIN		SS304	SS304	SS316
8	BASE RING		CARBON STEEL	CARBON STEEL	CARBON STEEL
9	LOADING WEIGHT		CARBON STEEL	CARBON STEEL (NOTE)	CARBON STEEL (NOTE)
10	BOLT/NUT		SS304	SS304	SS316
11	LIFTING EYE NUT		SS304	SS304	SS316

NOTE Other materials are available upon request.

