



SECTION 2.4_KSBGFI/BGFI-A/GSFI/GSFI-A

PRESSURE VACUUM RELIEF VAVLE WITH FLAME ARRESTER

INTRODUCTION

The model KSBGFI and GSFI pressure vacuum valves with flame arrester are an advanced design for vent to Pipe away applications. Designed, manufactured and tested according to the API 2000 code and ISO16852. 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 vapors.

Setting Pressure

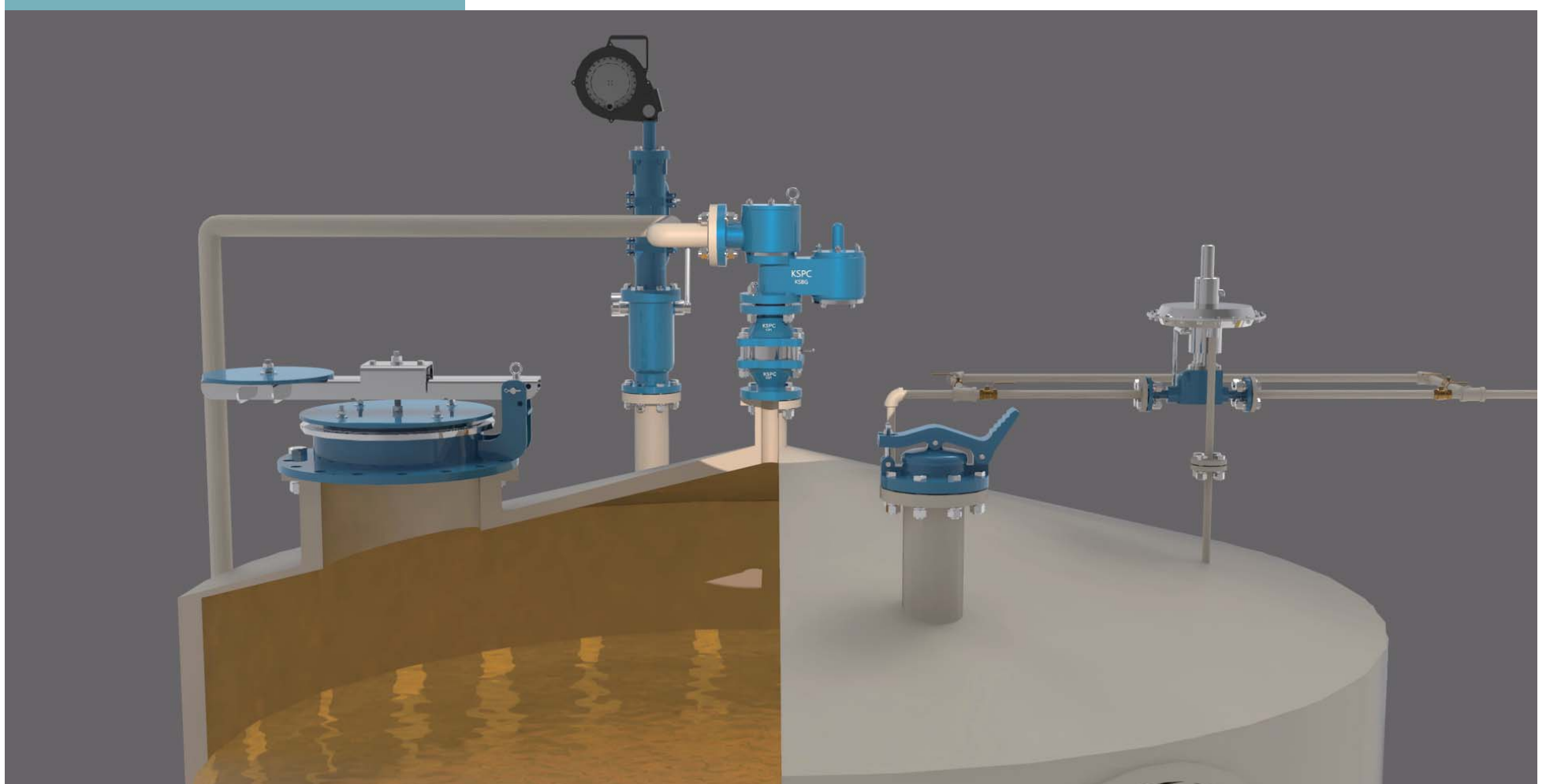
KSBGFI Weight Loaded model	Min. +/- 20 mmW.C ~ Max. + 700/- 430 mmW.C
KSGSFI Spring Loaded model	Min. + 700/- 430 mmW.C ~ Max. +/- 9,000 mmW.C

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 as standard
(Different connections available on request)

Rules & certifications API 2000 / ISO16852 & ATEX / KFI
Flame cell : NEC group D (=IIA), group C(=IIB3) and group B(=IIC), ETC.

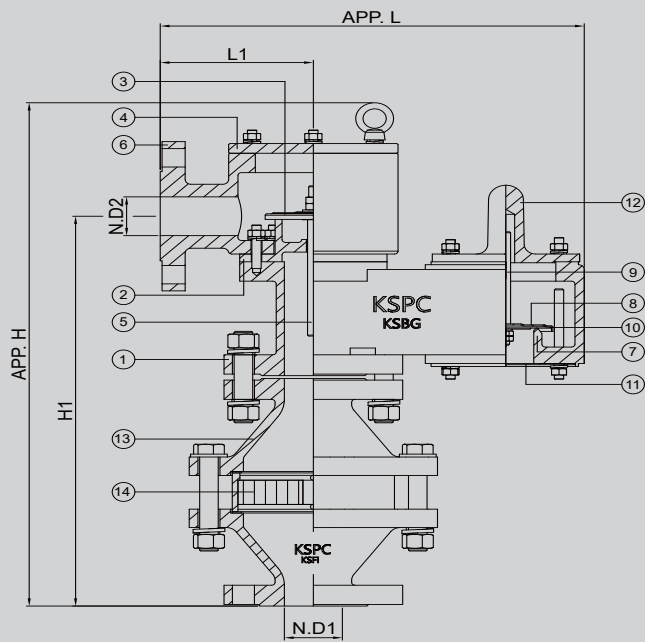
APPLICATION



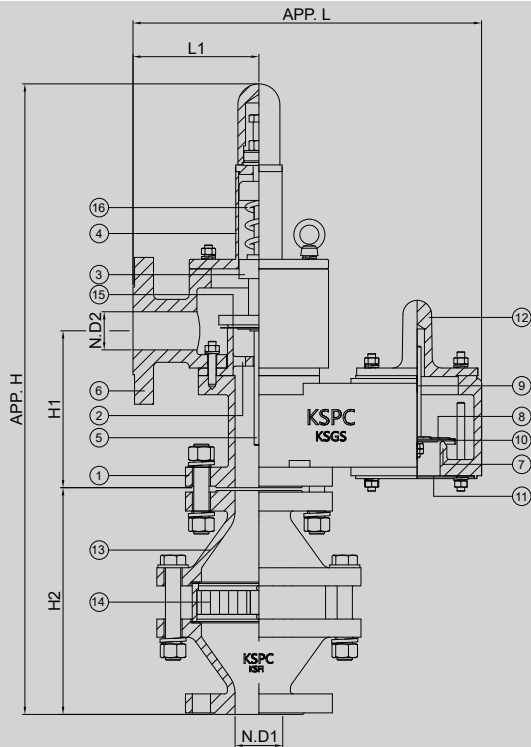


OUTLINE DRAWING

KSBGFI



KSGSFI



DIMENSION TABLE

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

SIZE	2" X 2"	3" X 3"	4" X 4"	6" X 6"	8" X 8"	10" X 10"	12" X 12"	14" X 14"
N.D 1	50	80	100	150	200	250	300	350
N.D 2	50	80	100	150	200	250	300	350
App. L	366	470	507	630	762	868	997	1197
L 1	132	171	184	223	258	279	329	415
KSBGFI H1	402	461	492	611	683	754	906	972
KSBGFI App.H	516	568	610	757	855	954	1147	1239
KSGSFI App.H	714	767	809	1078	1175	1271	1451	1542
KSGSFI H 1	165	204	227	282	338	387	449	483
KSGSFI H 2	237	256	265	329	345	379	457	489
SIZE	2" X 3"	3" X 4"	4" X 6"	6" X 8"	8" X 10"	10" X 12"	12" X 14"	
N.D 1	50	80	100	150	200	250	300	
N.D 2	80	100	150	200	250	300	350	
App. L	376	470	512	635	762	879	1011	
L 1	142	171	189	228	258	290	343	
KSBGFI H1	423	470	517	634	708	779	931	
KSBGFI App.H	528	588	660	806	910	1022	1199	
KSGSFI App.H	730	787	859	1131	1243	1321	1501	
KSGSFI H 1	186	214	252	305	363	412	474	
KSGSFI H 2	237	256	265	329	345	379	457	



COMPONENT MATERIAL

NOTE Other materials are available upon request.

ITEM NO	COMPONENT	BODY TRIM	ALUMINIUM	CARBON STEEL	SS304	SS316
			SS304	SS304	SS304	SS316/316L
1	BODY-1		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
2	PRESSURE SEAT		A351-CF8	A351-CF8	A351-CF8	A351-CF8M
3	PRESSURE DISC		SS304	SS304	SS304	SS316L
4	PRESSURE COVER		ALUMINIUM / SS	CARBON STEEL	SS304	SS316L
5	PRESSURE STEM		SS304	SS304	SS304	SS316L
6	BODY-2		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
7	VACUUM SEAT		B26-319.F	A351-CF8	A351-CF8	A351-CF8M
8	VACUUM DISC		SS304	SS304	SS304	SS316L
9	VACUUM STEM		SS304	SS304	SS304	SS316
10	DIAPHRAGM		FEP (NOTE)			
11	VACUUM SCREEN		SS304	SS304	SS304	SS316
12	VACUUM COVER		B26-319.F	CARBON STEEL	SS304	SS316/316L
13	BODY-3		B26-319.F	A216-WCB	A351-CF8	A351-CF8M
14	ELEMENT		SS316L			
15	O-RING		VITON (NOTE)			
16	SPRING		SS304	SS304	SS304	SS316