



SECTION 8.1_KSBJ

AIR RELEASE VALVE



INTRODUCTION



The model KSBJ is designed to release accumulated air pockets from the system, while pressured pipelines. Air pockets increase energy consumption because pumping operation will be at higher water heads to overcome pressured air. **KSBJ** has function to protect high shock and surge pressure, water hammer and liquid overflow from fresh or sea water pipelines.

KSBJ air release valve can provide low cast insurance to protect expensive maintenance cost of pipelines and pump systems.



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



Sizes range DN 15 ~ DN 300 with ASME 150Lb flanges as standard
(Different connections available on request)



Rules & certifications API 2000



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



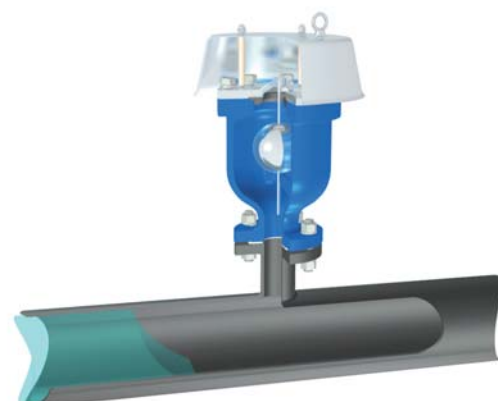
APPLICATION



OPERATION PRINCIPLE

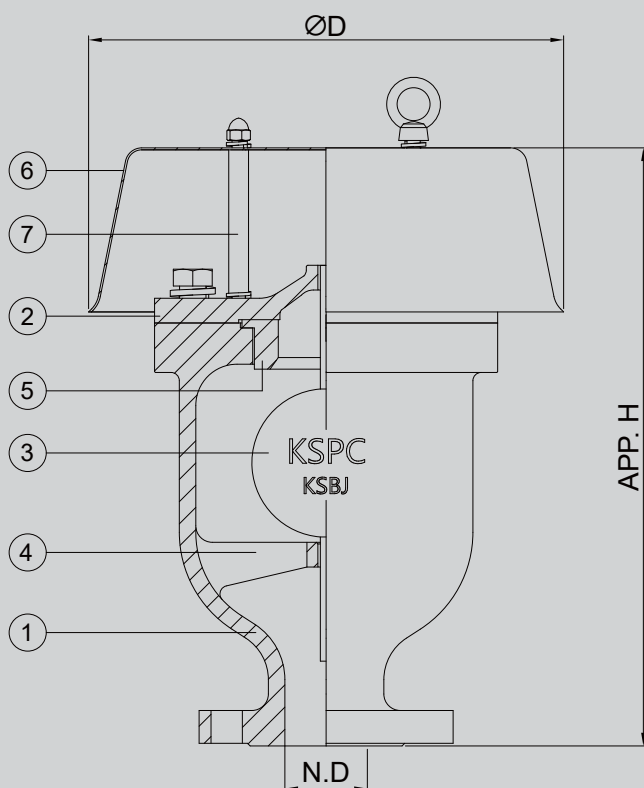


LIQUID OVERFLOW PROTECTION



PRESSURE / VACUUM RELIEF

OUTLINE DRAWING



DIMENSION TABLE

SIZE	1/2"	1"	2"	3"	4"	6"	8"	10"	12"
N.D	15	25	50	80	100	150	200	250	300
ØD	163	163	288	288	342	444	512	512	658
App. H	216	219	363	385	405	611	644	701	790

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

COMPONENT MATERIAL

ITEM NO	COMPONENT	BODY TRIM	CARBON STEEL	SS304	SS316
			SS304	SS304	SS316L
1	BODY		A216-WCB	A351-CF8	A351-CF8M
2	COVER		A216-WCB	A351-CF8	A351-CF8M
3	FLOATER		SS304	SS304	SS316
4	RIBS		A216-WCB	A351-CF8	A351-CF8M
5	GASKET		NBR (NOTE)		
6	WEATHER HOOD		SS304	SS304	SS316L
7	GUIDE POST		SS304	SS304	SS316

NOTE Other materials are available upon request.