





# 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 cost 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 250 with ASME 150Lb flanges as standard  
(Different connections available on request)

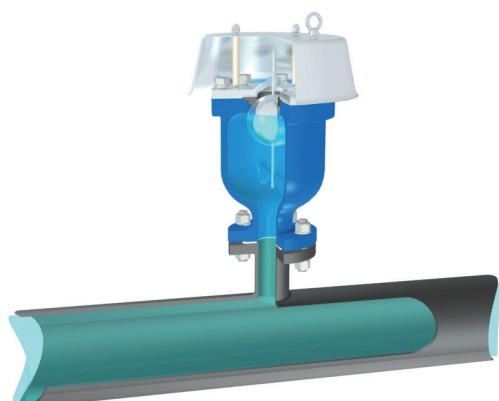
 **Rules & certifications** API 2000

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

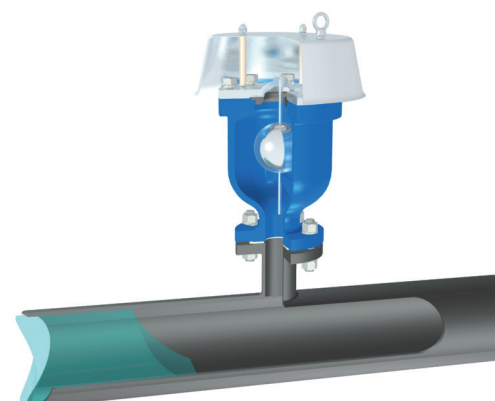
### APPLICATION



### OPERATION PRINCIPLE

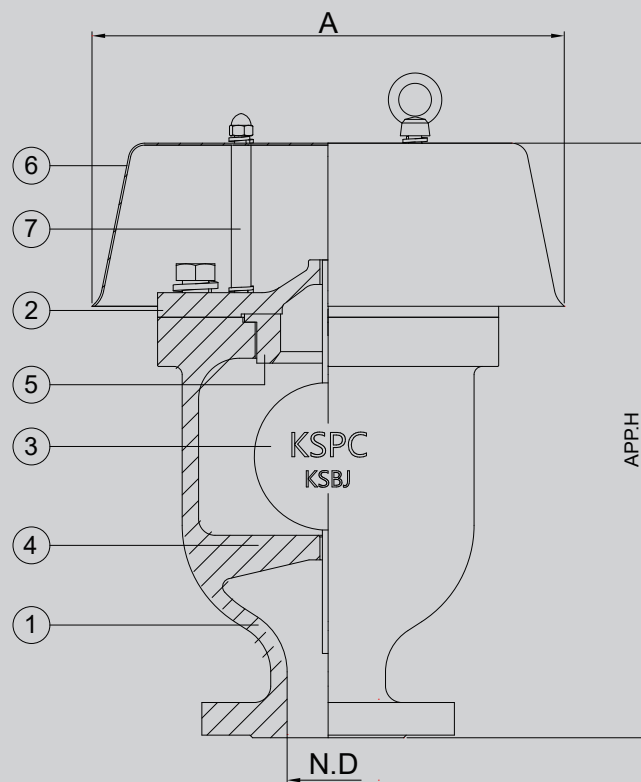


**LIQUID OVERFLOW PROTECTION**



**PRESSURE / VACUUM RELIEF**

## OUTLINE DRAWING



**KSBJ**

## DIMENSION TABLE

SIZE	1/2"	1"	2"	3"	4"	6"	8"	10"
N.D	15	25	50	80	100	150	200	250
A	163	163	288	288	342	440	512	512
Approx. H	251	254	363	385	405	611	641	701

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

## COMPONENT MATERIAL

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