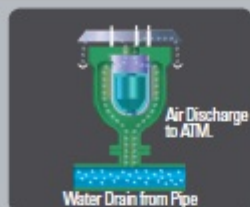


KSBJ MODEL

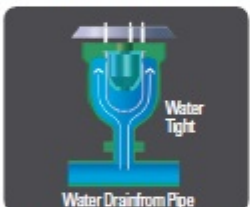
Air Release & Vacuum Breaker Valve



Activation 1 Pressure Relief



Activation 2 Vacuum Relief



Activation 3 Liquid Overflow Protection



Benefits

- Pressure & Vacuum relief function
- Anti-Surge & Anti-Shocks
- Surge and waterhammer protection
- Liquid overflow protection
- Provides high capacity venting for pipeline protection
- Increasing of pump efficiency
- Less system energy
- Maintenance free

It is two critical time in the operation of a pipeline.

During filling, air that occupies the empty pipe must be evacuated ahead of the incoming liquid in a controlled and efficient manner so that surge and water hammer are minimized and liquid completely fills the pipe. During draining, whether planned or unexpected, air must be admitted into the system to replace the out flowing liquid to avoid excessive vacuum and possible pipeline damage.

Air release valve are 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.

Air release valves are have function to protect high shock and surge pressure, water hammer and liquid overflow from fresh or sea water pipelines.

PROSAVE's valve can provide low cast insurance to protect expensive maintenance cost of pipelines and pump systems.

Dimension Table

Unit = mm

SIZE	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"
N.D	25	40	50	65	80	100	150	200	250	300	350
Ø A	170	170	170	210	210	260	340	460	565	635	760
H	235	252	252	272	297	327	392	479	750	845	949

Note: Standard flange connection is ANSI 150 lb and others are available on request.

Materials of Construction

No.	Description	Material		
		Spec. 1	Spec. 2	Spec. 3
1	Body	A216-WCB	B148-C95800	A351-CF3M
2	Float & Disc	A240-316L	MONEL	A240-316L
3	Seat	NBR	NBR	NBR

NOTICE !!

Air Release Valve & Vacuum Breaker Valves can be add another function such as Anti-surge, pressure/vacuum relief in according to operation condition. In this case, You can make good choice PROSAVE's various model.

