

Vacuum Breaker Valve

**VSC TYPE**



**Introduction**

- The vacuum breaker safety valve VSC model acts as an automatic regulator of pressure drops and prevents the creation of a vacuum inside pressurized installations or vessels. For critical applications where vacuum protection is a must or where column separation is predicated, a vacuum breaker is used. The Vacuum Breaker is mounted at critical pipeline high points, penstocks, or tanks and allows for rapid inflow of atmospheric air to reduce vacuum conditions in piping systems.
- VSC vacuum breaker valve valve can provide low cast insurance to protect expensive maintenance cost of pipelines and pump systems.
- The VSC is a spring loaded model, designed to handle under pressure **with a minimum pressure of -200mmW.C. and a maximum setting of -7,000mmW.C.**

**Dimension Table**

Unit = mm

Size	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	16"	Other Size
N.D	20	25	40	50	80	100	150	200	250	300	400	Available on request
ØA	252	252	330	330	440	440	440	500	620	620	666	
H	315	315	375	375	423	440	450	500	566	580	595	

**Available Setting Range**

No.	Description	Material			
		Spec.1	Spec.2	Spec.3	Spec.4
1	Body	Steel	Stainless Steel	Ni-Al-Bronze	Hastelloy
2	Seat	Stainless Steel	Stainless Steel	Ni-Al-Bronze	Hastelloy
3	Disc	Stainless Steel	Stainless Steel	Ni-Al-Bronze	Hastelloy
4	Others	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

**Benefits**

- Vacuum relief function
- Surge and Waterhammer Protection
- Increasing of pump efficiency
- Maintenance free
- Anti-Surge & Anti-Shocks
- Liquid Overflow Protection
- Less system energy