



ANTI VACUUM VALVE VACUUM BREAKER VALVE

Spring Loaded Anti Vacuum Valve is designed to allow large quantity of air into the pipe line during quick draining or pipe breaks. Opening of the large disk is achieved by precisely adjusting spring against the negative pressure generated in the pipe line. A combination air valve is connected to the main valve assembly to vent air from the pipe line during charging and under pressure.

Features:

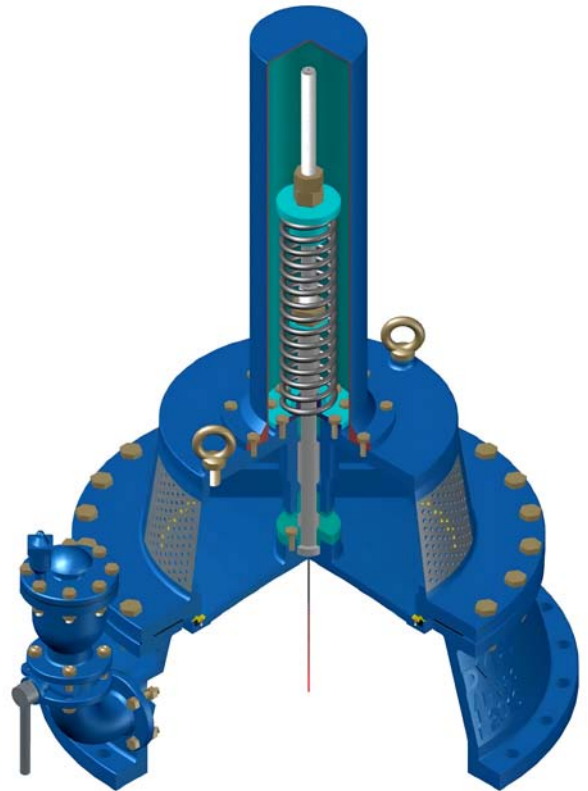
- Self operated by the flow medium.
- Intake of large amount of air during quick draining or pipe break.
- Combination air valve for input and output of air during general course of operation.
- Suitable for installation on main pipes.
- Metal to metal sealing for longer life.
- Isolating valve provided for easy maintenance of air valve during operation.
- For easy maintenance / cleaning we recommend to use isolating gate valve of same size of anti vacuum valve.

Flange drilling and dimension meets:

IS / BS / ANSI

Service Application:

Water supply system / irrigation system



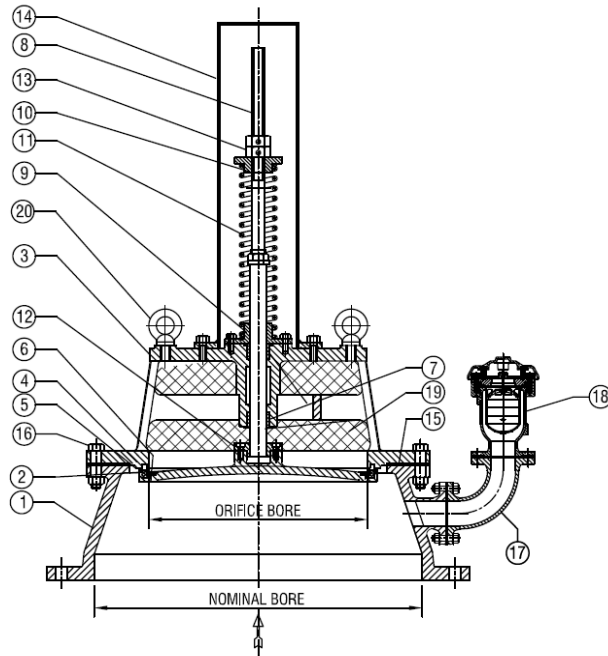
Technical Data:

Size range: DN 300 – 800

Pressure rating: 1.0 Mpa – 2.5 Mpa

Working Temperature: Upto 80°

Flow Media: Clean Water / Raw Water



MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL	SPECIFICATION
1	BODY	DI / MS	DUCTILE IRON / MILD STEEL
2	DISC	DI / MS	DUCTILE IRON / MILD STEEL
3	HOUSING COVER	DI / MS	DUCTILE IRON / MILD STEEL
4	HOUSING COVER SEAT	L.T.BRONZE	IS: 318 Gr. LTB-2
5	DISC SEAT	NITRILE RUBBER	SHORE HARDNESS 65±5
6	RETAINER RING	STAINLESS STEEL	ASTM A276 TYPE-304
7	BUSH	L.T.BRONZE	IS: 318 Gr. LTB-2
8	DISC GUIDE SHAFT	STAINLESS STEEL	ASTM A276 TYPE-410
9	BOTTOM SPRING HOLDER	DI / MS	DUCTILE IRON / MILD STEEL
10	TOP SPRING HOLDER	DI / MS	DUCTILE IRON / MILD STEEL
11	SPRING	SPRING STEEL	-
12	GUIDE HOLDER	DI / MS	DUCTILE IRON / MILD STEEL
13	ADJUSTABLE NUTS	HT STEEL	HT STEEL
14	SPRING COVER PIPE	MILD STEEL	-
15	GASKET	RUBBER	IS: 638, TYPE-B
16	BOLTS & NUTS	CARBON STEEL	IS: 1367, CL- 4.6 & CL- 4.0
17	90° BEND	DI / MS	DUCTILE IRON / MILD STEEL
18	AIR VALVE	50 NB DI TAMPER PROOF AIR VALVE (AS PER AWWA C-512)	
19	WIRE NET / PERFORATED SHEET	MILD STEEL	
20	LIFTING EYE BOLT	FORGED QUALITY	