



AW34/5

ANTI-SHOCK SEWAGE COMBINATION AIR RELEASE VALVE

DN50 - DN200

Sewage Combination Air Release Valve will ensure the correct operation of the pipeline networks allowing the release of air pockets during working conditions, the evacuation and the entrance of large volumes of air in case of filling and draining operations.

Application:



Sewerage, Storm Water and Irrigation



Design features

- Advanced design with simple mechanism, strong float to prevent cracking during sudden water hammer quick closure.
- Aerokinetic mechanism to resist blow shut under higher air velocity even up to sonic velocity of air.
- With special expansion middle body design to help lower the sewage water flow speed, and let the air out but keep sewage water underneath.
- Keep dirty or corrosive liquid inside the body for safety during operation and no harm to human and surrounding environment.
- Internal body guide and upper round wall keep float moving on its rail and keep liquid turbulence flow within this area.
- Outside screen will be an option for safety and prevent insects or birds in.

Technical Details:

Maximum Working Pressure PFA:
16 bar / PN16

Flange Type:
EN 1092-2 PN10 & PN16

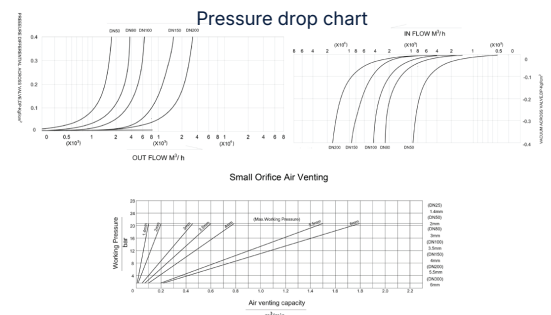
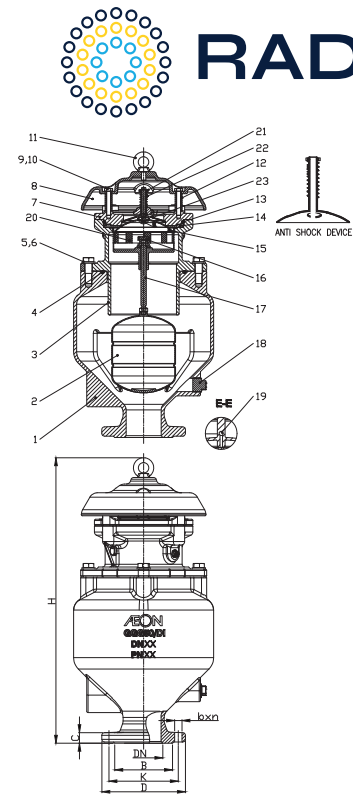
Working temperature:
Maximum +80°C

Coating:
300 µm FBE coating, external and internal

Installation:
Assembly in vertical position only



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Float	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
3	Middle Part	Ductile Iron EN-GJS-500-7
4	O-ring	Elastomer NBR
5	Hex Bolt	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
6	Washer	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
7	Bonnet	Ductile Iron EN-GJS-500-7
8	Cover	Ductile Iron EN-GJS-500-7
9	Washer	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
10	Hex Bolt	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
11	Eyebolt	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
12	Pillar	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
13	O-ring	Elastomer NBR
14	Seat	Elastomer EPDM
15	O-ring	Elastomer NBR/EPDM
16	Sealing Arc	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
17	Stem	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
18	Plug	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
19	Small Nozzle	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
20	Screen	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
21	Nut	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
22	Spring	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
23	Anti shock device	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316



Dimension (mm & kg)

DN		50	80	100	150	200
AW34/5	PN10	AE1184	AE1185	AE1186	AE1187	AE1189
	PN16					AE1188
H		560	666	682	820	956
B		99	132	156	211	266
D PN16 / PN10		165	200	220	285	340
K PN16 / PN10		125	160	180	240	295
b x n PN16 / PN10		19×4	19×8	19×8	23×8	23×12 / 23×8
C		19	19	19	19	20
Weight		32,5	60	64	121	176