



AW34/3

SEWAGE COMBINATION AIR RELEASE VALVE

DN50 - DN300

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 fat body design to 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.
- Much bigger air flow through the nozzle even for higher viscosity liquid.
- 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

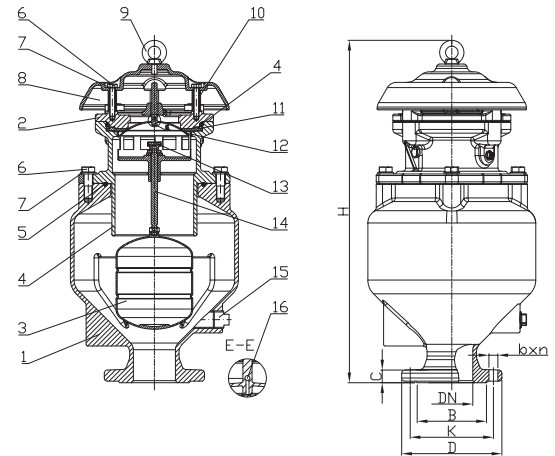
Installation:
Assembly in vertical position only



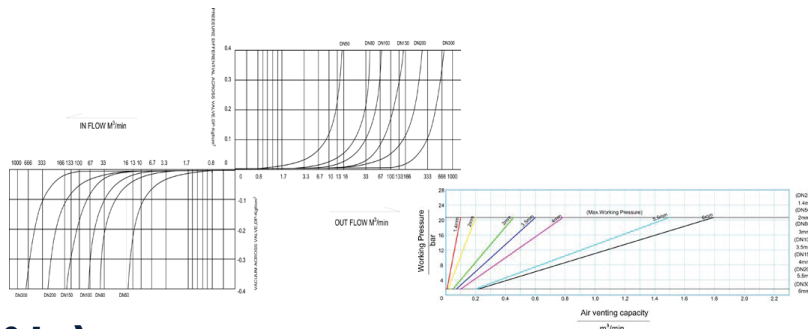


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No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Float	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
4	Middle Part	Ductile Iron EN-GJS-500-7
5	O-ring	Elastomer NBR
6	Hex Bolt	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
7	Washer	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
8	Cover	Ductile Iron EN-GJS-500-7
9	Eyebolt	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
10	Pillar	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
11	Seat	Elastomer NBR
12	Sealing Arc	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
13	Nozzle Seat	Elastomer NBR
14	Stem	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
15	Plug-Option	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
16	Small Nozzle	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316



Pressure drop chart



Dimension (mm & kg)

DN		50	80	100	150	200	300
AW34/3	PN10	AE1164	AE1165	AE1166	AE1167	AE1171	AE1173
	PN16					AE1168	AE1170
H		560	666	682	820	956	1115
B		99	132	156	211	266	370
D PN16 / PN10		165	200	220	285	340	460
K PN16 / PN10		125	160	180	240	295	410 / 400
b x n PN16 / PN10		19×4	19×8	19×8	23×8	23×12 / 23×8	28×12 / 23×12
C		19	19	19	19	20	24,5
Weight		31	58	60	115	166	289