



AW34/2 **DOUBLE ORIFICE AIR RELEASE VALVE**

DN50 - DN300

Double Orifice 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:



Potable Water, Irrigation, District heating & cooling

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.
- No arms or levers to prevent vibrating, bending, direct closure of the float.
- Smooth cage outside of the float, keep float moving in specified guide rail.
- Bottom rubber buffer for collision prevention, and drain easy with proper holes around the cage during vacuum.
- Outside screen will be an option for safety and prevent insects or birds in.

Technical Details:

Maximum Working Pressure PFA:
16 bar / PN16

Coating:
300 µm FBE coating, external and internal

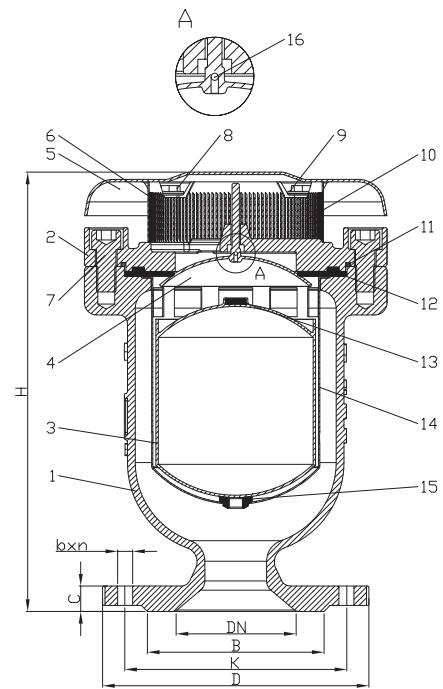
Working temperature:
Maximum +80°C

Installation:
Assembly in vertical position only

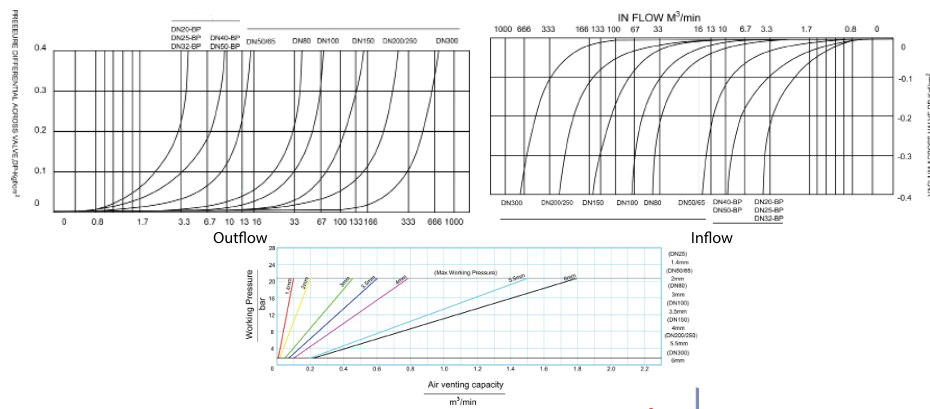
Flange Type:
EN 1092-2 PN10 & PN16



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminium Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Main seal	Elastomer EPDM
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer EPDM
10	O-ring Seal	Elastomer EPDM
11	O-ring Seal	Elastomer EPDM
12	Dust Seal	Elastomer NBR
13	Gland Bush	Mosiądz
14	Bonnet Screws	Stainless Steel A2-70
15	Bonnet Dust Seal	Elastomer NBR
16	Security screw	Stainless Steel A2-70



Pressure drop chart



Dimension (mm & kg)

DN		50	65	80	100	150	200	250	300
AW34/2	PN10	AE1153	AE1154	AE1155	AE1156	AE1157	AE1161	AE1162	AE1163
	PN16						AE1158	AE1159	AE1160
H		252	274	294	361	404	487	602	612
B		99	118	132	156	211	266	319	370
D PN16 / PN10		165	185	200	220	285	340	405	460
K PN16 / PN10		125	145	160	180	240	295	355 / 350	410 / 400
b x n PN16 / PN10		19×4	19×4	19×8	19×8	23×8	23×12 / 23×8	28×12 / 23×12	28×12 / 23×12
C		19	19	19	19	19	20	22	24.5
Weight		11.4	12.5	24	26.6	53.4	77	88	175.5