



### Product Description

A large amount of air in the pipeline is rapidly evacuated from the system during the first start-up of the system. DENZ-A12 Double-Acting plastic suction cup float attached to the wastewater suction cup sphere lifts when the water reaches it, thereby closing the suction cup pad outlet when the water reaches the suction cup sphere. Thus, the wastewater is sealed before it reaches the plastic suction cup due to the compressed air trapped inside. The sealing elements of the plastic suction pad continue to fulfill their purpose as long as they remain intact.

The water in the pipeline is evacuated or withdrawn from the pipeline when the pressure in the pipeline is lower than the atmospheric pressure at the time. As a result of this vacuum effect, pipes can collapse and cause cavitation damage. By providing external air flow to the pipeline, the float attached to the wastewater suction sphere prevents this problem.

The low amount of air is dragged by water when the system is in service, such as the pipeline is under pressure. In certain places along the line, this collects. A partial opening of the float connected to the sphere allows the compressed air and water to be evacuated.

With the design of the wastewater suction cup, in the sewer networks, it can work smoothly without clogging or damaging, which are common problems with standard suction pads.



### Production References

<b>Size Range</b>	DN50 - DN300
<b>Pressure Range</b>	PN10/16/25
<b>Temperature</b>	-10°C to +80°C
<b>Design</b>	EN 1074-4
<b>Connection</b>	Flanged - EN1092-2
<b>Coating</b>	Industrial Spray Epoxy
<b>Testing</b>	EN 12266-1
<b>Marking</b>	EN 19
<b>Operation</b>	Automatic

### Application Areas

- Air release valve intended for use at sewage lines
- For air release and aeration of the pipelines



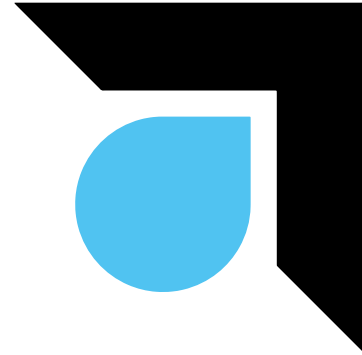
Waste Water



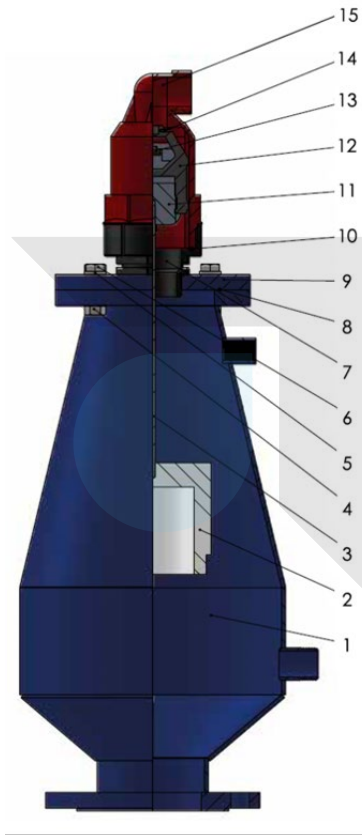
## Product Features



- Patented self-cleaning sealing with automatic double stage air release nozzle
- Kinetic Single stage air release
- Hydraulic impact prevention
- Stainless steel release device
- Revision for flushing
- Floating switch made of polyethylene
- Bonnet deflector
- NBR sealing parts resistant against municipal sewage
- Body bonnet screws A2 made of stainless steel
- Body bonnet made of stainless steel 1.0037; EN 10025-2
- Epoxy coating minimum 250 microns according to EN ISO 12944-5
- Product according to EN 1074-4
- Flange connection and connector according EN 1092-2(DIN2501) or threaded connection according to EN 10226-1 pressure PN10, PN16
- Minimum operating pressure equal to atmospheric pressure
- Threaded vent bonnet hole
- Product marking according to EN 19; EN 1074

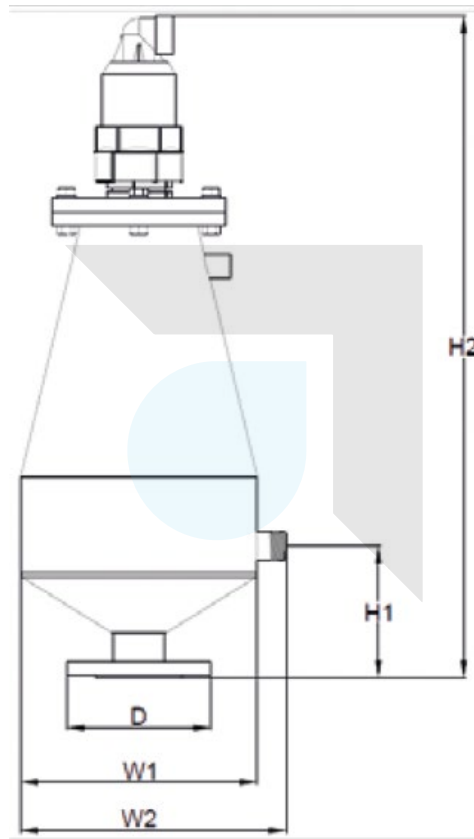


Material List



#	Part	Material
1	Body	ST37 / Stainless Steel
2	Float	Polypropylene
3	Shaft	Stainless Steel AISI 304 / 316
4	Nut	Stainless Steel A2 / A4
5	Washer	Stainless Steel A2 / A4
6	Bolt	Stainless Steel A2 / A4
7	Lower Body	Glass reinforced polyamide
8	O-Ring	NBR
9	Cover	Stainless Steel AISI 304 / 316
10	O-Ring	NBR
11	Float	Polypropylene
12	Fork	Polyamide
13	Tire	EPDM
14	Rubber	EPDM
15	Body	Polyamide

Dimensions



DN	W1	W2	H1	H2	KG
50	165	273	306	151	20,6
80	200	273	306	151	21,6
100	220	273	306	151	22,2
150	285	273	306	151	25,5
200	340	273	306	151	28

Units: mm / indicative dimensions & weights