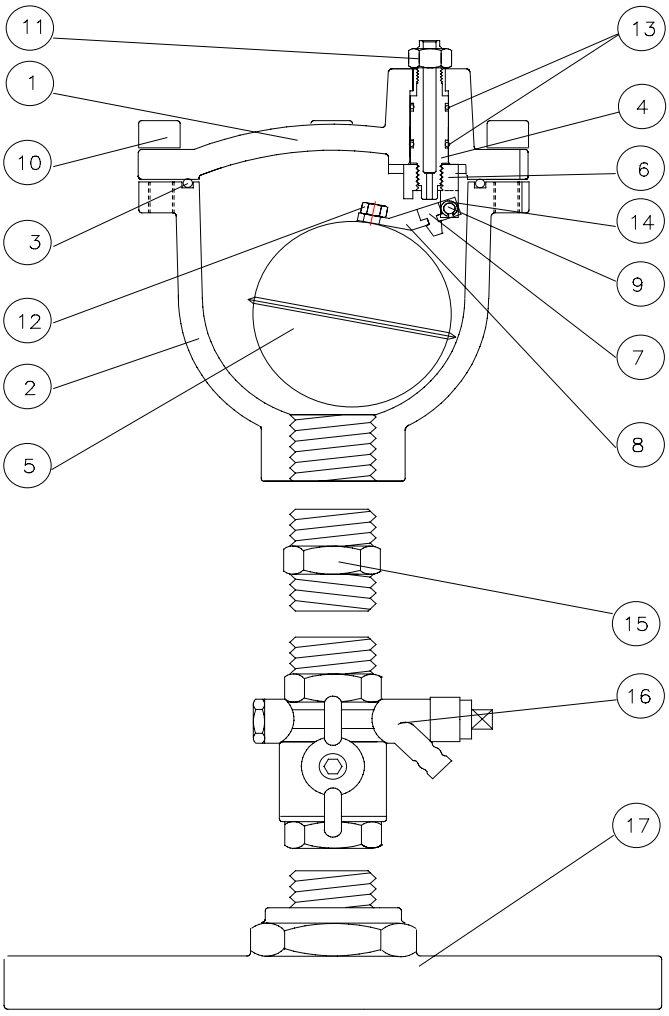
Maintenance, set up and installation instructions
Air release valve for aqueducts - Mod. Ventolo 1”



POS.	COMPONENT	MATERIAL
1	Cover	GS 400– Epoxy powder
2	Body	GS 400– Epoxy powder
3	O–Ring	NBR
4	Nozzle subset	S. steel+O–ring
5	Float subset	S. steel sphere+EPDM
6	Upper joint	OT 58
7	Gasket	NBR
8	Lower joint	OT 58
9	Pivot	Stainless steel
10	n.6 TCEI M8 screws	Stainless steel
11	M8 Nut	Stainless steel
12	M5 Nut	Stainless steel
13	O–Ring	
14	Safety rings	
	OPTIONALS	
15	Nipple 1/2,3/4,1”G	OT 58
16	Draining cock with relief valve	OT 58
17	Threaded flange DN50/65	GS 400– Epoxy powder
	Spare parts list 3–4–5–6–7–8	

The air release valve for aqueducts Mod. **Ventolo** guarantees the proper functioning of the system allowing the release of air under pressure

Working principle
The float, thanks to the force exerted by water, come up along with the lower joint (8) and the gasket (9) that is pushed against the nozzle closing the orifice. During working conditions air, which tends to accumulate to high points, reaches the same pressure of water and, the more its volume increases, the more it pushes the water level downwards. The float, no longer sustained, will drop freeing the nozzle and allowing the discharge of pressurized air while the main orifice, thanks to the internal pressure, will remain perfectly closed
In case of absence of water the float will drop down along with the releasing device

Installation and set up
Before installing the air valve proceed to a proper cleaning of the system to avoid that external bodies like debris or pebbles may damage the product’s internal components
Make sure the pit is wide enough and easy to access to allow maintenance .
The air valve must be positioned in a vertical position to have the best performances.

Maintenance
Thanks to their sturdy and simple design Ventolo doesn’t require any particular servicing. We strongly recommend though to schedule inspections and maintenance procedures at least twice per year to make sure it is working properly.
To do so please refer to the following steps:
a) Close the ball valve and relief the pressure opening the drain cock (16).
b) Loosen the 6 screws (10) placed between the body and the cover and check the O-ring (3);
c) Make sure the internal mobile block lever is not obstructed in its movement ;
d) Make sure the gasket (7) is not worn and perfectly positioned in its seat;
e) Make sure the upper pivot (6) is well clinched in its seat obtained by working the cover and the nozzle nut (11) is screwed properly
f) Position the O-ring back and place the cover on the body setting the screws tight
Put the air release valve back to work opening the ball valve very slowly to avoid rapid filling.

Working conditions
Maximum temperature : 80°C
Maximum pressure : 40bar
Minimum pressure : 0.1 bar

On request
Maximum temperature : 120°C