Air release valve
Mod. VNT LP

The PF automatic air valve VNT LP will ensure the proper operation of the system allowing the release of air pockets accumulating during working conditions.

Technical features and benefits

- Upper and lower bodies in ductile cast iron PN 25 rated.
- Float in stainless steel AISI 304 covered with vulcanized NBR or EPDM.
- Air release system in stainless steel AISI 303 or 316.
- Nuts and bolts in stainless steel AISI 304 or 316.
- Simple and compact.

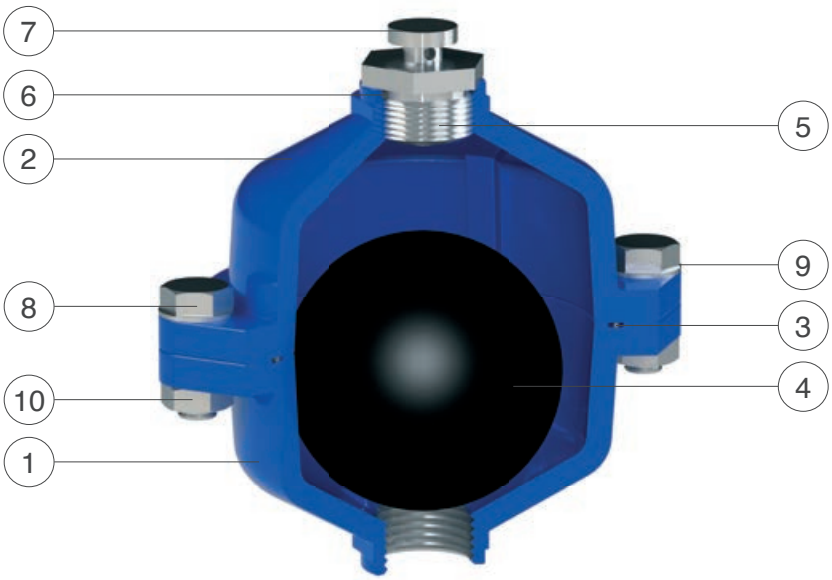
Applications

- Water distribution systems.
- Irrigation, cooling systems.
- Buildings.
- In general where the air release function is necessary.

Note to the engineer

- The air valve is supplied with 1" threaded female connection, on request provided with ball valve and flange.

Technical details



N.	Component	Standard material	Optional
1	Lower body	ductile cast iron GJS 450-10	
2	Upper body	ductile cast iron GJS 450-10	
3	O-ring	NBR	EPDM/Viton/silicone
4	Float	NBR/EPDM coated stainless steel AISI 304	
5	Nozzle	stainless steel AISI 303	stainless steel AISI 316
6	O-ring	NBR	EPDM/Viton/silicone
7	Nozzle tap	stainless steel AISI 303	stainless steel AISI 316
8	Screws	stainless steel AISI 304	stainless steel AISI 316
9	Washers	stainless steel AISI 304	stainless steel AISI 316
10	Nuts	stainless steel AISI 304	stainless steel AISI 316
11	Ball valve (on request)	nickel-plated brass	stainless steel AISI 316
12	Flange (on request)	ductile cast iron GJS 450-10	painted steel/AISI304/316

The list of materials and components is subject to changes without notice.

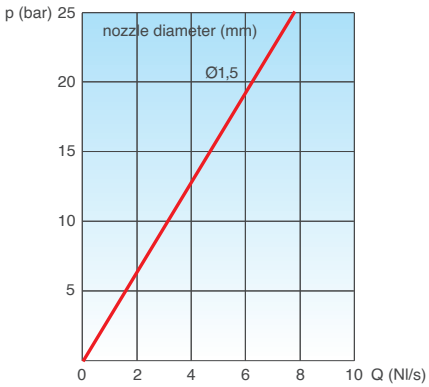
Working conditions

Treated water max. 60°C.
Higher temperatures on request.
Max. pressure 25 bar.
Min. pressure 0,1 bar.

Standard

Designed in compliance with EN-1074/4.
Standard connection 1" BSP, flanged on request. Flanges according to EN 1092/2.
Epoxy painting applied through fluidized bed technology blue RAL 5005.
Changes and variations on the flanges and painting details available on request.

Air flow performance chart



AIR RELEASE DURING WORKING CONDITIONS

The air flow charts were created in Kg/s from laboratory tests and numerical analysis, then converted in Nl/s using a safety factor.