0017/ 01 / 23 EN



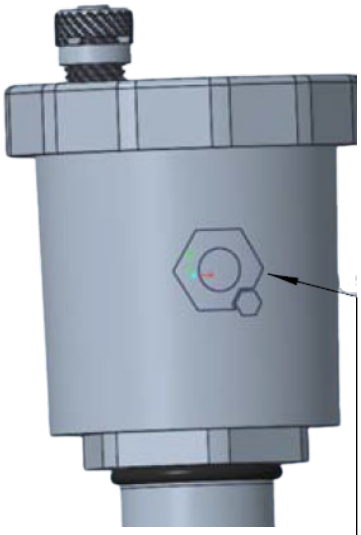
PRODUCT DESCRIPTION

Air vents are designed to remove gaseous impurities (usually air) from the heat carrier of heating systems. They can also be installed in cold and hot water supply systems.

For more efficient operation, air vents are recommended to be installed at the highest point of the system where there is an accumulation of gaseous substances.

The device works fully automatically. Does not require regulation.

The check valve is mounted on the external thread of the air vent and allows its removal without emptying the heating or water supply system.

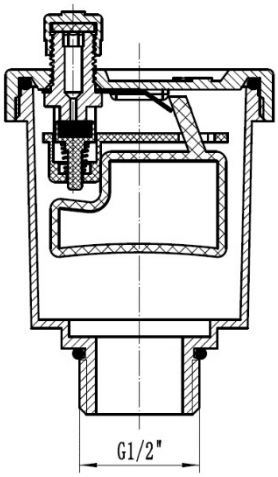




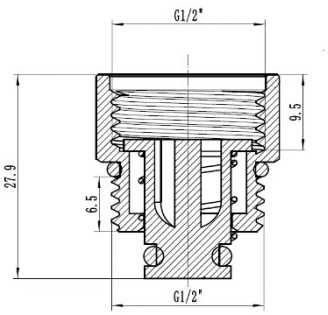


Check valve for air vent
ZQAIR202D15

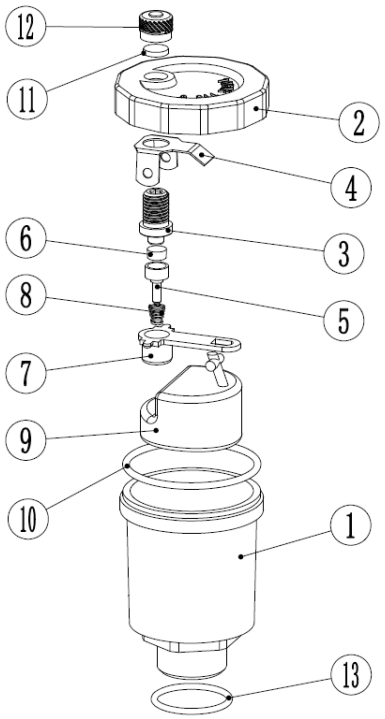
TECHNICAL PARAMETERS	
Maximum working medium temperature	110 °C
Minimum working medium temperature	-20 °C
Nominal operating pressure, PN	10 bar
Test pressure	15 bar
Operating pressure range for optimal performance	0,03 – 0,7 MPa
Connection type	Threaded
Threaded connection standard	ISO288/1



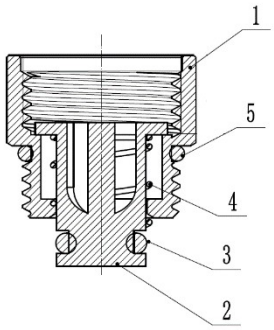
DIMENSIONS



DESIGN AND MATERIALS. AIR VENT		
1	Body	Brass CW617N
2	Body cap	Brass CW617N
3	Coupling	Brass CW617N
4	Stroke limiter	Stainless steel AISI304
5	Insert	ABS plastic
6	Seal	EPDM
7	Crossbar	ABS-пластик
8	Springs	Stainless steel AISI304
9	Float	ABS plastic
10	O-ring	EPDM
11	Seal	EPDM
12	Cap	Brass CW617N
13	O-ring	EPDM



DESIGN AND MATERIALS. CHECK VALVE		
1	Body	Brass CW617N
2	Stem	POM
3	O-ring	EPDM
4	Spring	Stainless steel AISI304
5	O-ring	EPDM



OPERATING PRINCIPLE

The brass body (1) of the air vent contains an ABS float (9). Its movement depends on the presence of air in the case.
If air is present, the float (9) lowers closer to the bottom of the body and opens the working section of the cover (2). The connection of the float with the cover is carried out through the crossbar (7). The hole is closed with a spool (6).
In the absence of air, the float rises up.
To protect against contamination, the hole is closed with a cap (12).
For ease of installation, the connecting thread of the housing is equipped with an O-ring (13).

INSTALLATION REQUIREMENTS

1. The air vent is installed in places where air and gases can accumulate (high points of pipelines, boilers, manifolds, heating devices).
2. The air vent must be installed in a strictly vertical position.
3. It is forbidden to perform installation using a pipe lever wrench, as well as by grasping the body bulb.
4. During storage, transport and installation, the cap of the air inlet must be closed.
5. After installation, the system must be subjected to a hydraulic test with a static pressure of 1.5 times the design pressure in the system.
6. The air vent can be used with a glycol-based coolant, but at a concentration not exceeding 50%.

OPERATION AND MAINTENANCE REQUIREMENTS

1. The air vent must be operated at the pressure and temperature specified in the specification table.
2. Maintenance of the air vent consists in removing sludge from the bulb, the air channel and the interturn space of the spring. Maintenance must be carried out every 12 months of operation.
3. Freezing of the working medium in the flask of the air vent is not allowed.
4. When filling the heating system, the air vent must be closed.

MANUFACTURER

ZUOYOU GLOBAL BUSINESS LIMITED
Address of production: Shamen Industrial Area, Yuhuan, Taizhou, Zhejiang, China 317607
Country of origin: China

Brand **zencQ** belongs to **NEORUBY GmbH**

NEORUBY GmbH ● Am Hamburger Bahnhof 3, 10557 Berlin, Germany

https://zencq.com/