



TECHNICAL DATA SHEET OF THE PRODUCT

Automatic air vent

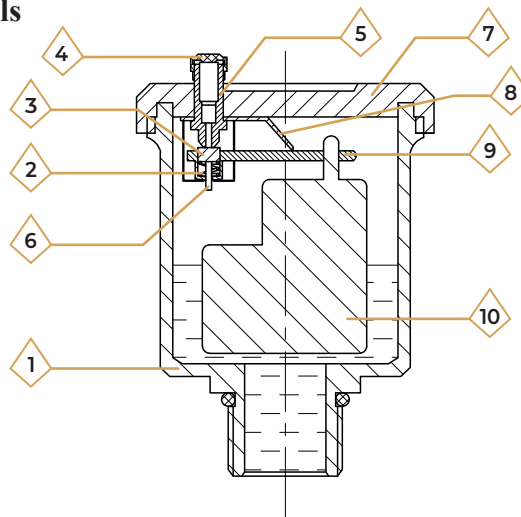
1. Purpose and scope of application

The air vent is designed for automatic removal of air and other gases from hot water heating systems, cold and hot water supply. It can be used on pipelines that transport liquid media that are non-aggressive to the materials of the product (water, propylene glycol, ethylene glycol, etc.). Sealing nozzles for connection to the pipeline or manifold, which eliminates the need for an additional sealant during installation.

2. Technical specifications

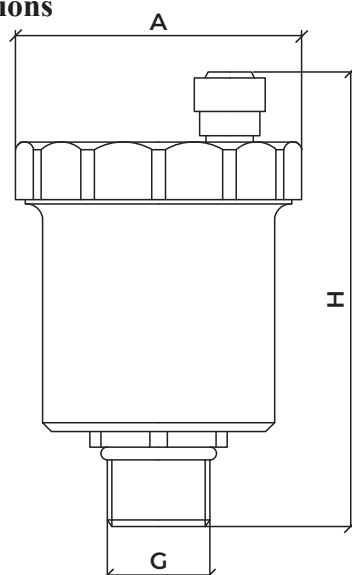
№	Characteristic	Designation
1	Working pressure, MPa	1,0
2	Test pressure, MPa	1,5
3	Minimum working pressure, bar	0,02
4	Maximum working environment temperature, °C	110
5	Working environment	Water, glycol solution 50%
6	Operating pressure range for optimum productivity, MPa	0,05÷0,7
7	Maximum ambient temperature, °C	+60
8	Maximum ambient humidity %	80
9	Thread of connecting branch pipe, inches	1/2"
10	Average full service life, years	25

3. Construction and materials



№	Element name	Material	Material grade according to standards
1	Camera body	Hot pressed brass nickel plated	CW617N
2	Spring	Stainless steel	AISI316
3	The gold-plated valve	Hot pressed brass nickel plated	CW617N
4	Cap	Hot pressed brass nickel plated	CW617N
5	Nipple	Hot pressed brass nickel plated	CW617N
6	Spool valve stem	Hot pressed brass nickel plated	CW617N
7	Camera cover	Hot pressed brass nickel plated	CW617N
8	Limiter	-	-
9	Rocker arm	-	-
10	Float	Plastic	ABS

4. Nomenclature and overall dimensions



Automatic air vent					
Size	Article	G	A, mm.	H, mm.	Weight, gr.
1/2"	AV01	1/2"	46	70	120

5. Operating and maintenance instructions

1. The automatic air vent must be operated under the conditions specified in the tables listed in Section No. 2 "Technical Specifications".
2. Installation of automatic air vent must be performed by a specialist.

6. Installation instructions

1. Installation can be performed by a specialist or a specialized organization.
2. The installation of connectors should be carried out in accordance with the requirements of SP 73.13330.2012 "Internal plumbing systems".
3. The valve must not be subject to loads from the pipeline (bending, compression, stretching, torsion, distortion, vibration, misalignment of pipes, uneven tightening of fasteners).
4. The misalignment of the connected pipelines must not exceed 3 mm for a length of up to 1 m + 1 mm for each subsequent meter.
5. After installation, the system units must be tested for tightness using hydraulic or pneumatic methods.
6. As a sealant for threaded connections, it is necessary to use FUM tape (fluoroplastic sealant), polyamide thread with silicone, flax with special pastes, as well as other sealing materials that ensure the tightness of the connections.

7. Warranty obligations

1. The manufacturer guarantees that the products comply with safety requirements, provided that the consumer complies with the rules of use, transportation, storage, installation and operation.
2. The warranty covers all defects caused by the manufacturer's fault.
3. The warranty does not cover defects that occur in the following cases:
 - violation of passport regimes for transportation, storage, installation, operation and maintenance of the product;
 - improper transportation and loading and unloading operations;
 - the presence of traces of exposure to substances that are aggressive to the product materials;
 - the presence of damage caused by fire, natural disasters, force majeure circumstances;
 - the presence of damage caused by incorrect actions of the consumer;
 - the presence of traces of third-party interference in the design of the product.
4. The manufacturer reserves the right to make changes to the product design that do not affect the declared technical characteristics.

9. Warranty terms and conditions

1. Claims for the quality of the goods may be made during the warranty period.
2. Defective products during the warranty period are repaired or exchanged for new ones free of charge. The decision to replace or repair the product is made by the service center. The replaced product or its part obtained as a result of the repair becomes the property of the service center.
3. The costs associated with dismantling, installation and transportation of the defective product during the warranty period are not reimbursed to the Buyer.
4. In cases where the claim is unfounded, the costs of diagnostics and examination are paid by the Buyer.
5. Products are accepted for warranty repair (as well as when returned) fully equipped.

WARRANTY CARD № _____

Product name _____

Brand, article, size _____

Quantity _____

Name and address of the trading organization _____

Date of sale _____ Seller's signature _____

Stamp or seal
of the trading organization

I AGREE with the conditions:
BUYER _____
(signature)

The warranty period is seven years (eighty-four months) from the date of sale to the end consumer.

When making claims regarding the quality of the goods, the buyer shall provide the following documents:

1. A statement in any form, indicating:
 - name of the organization, full name of the buyer, actual address and contact phone number;
 - name and address of the organization that performed the installation;
 - main system parameters;
 - short description of the defect;
2. Document proving the purchase of the product;
3. Hydraulic test certificate of the system in which the product was installed;
4. A completed warranty card issued on the manufacturer's website «raftec.eu».

Return or exchange mark: _____

Date _____ y. Signature: _____