

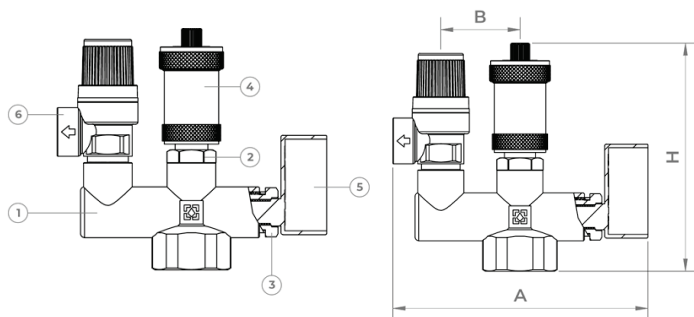
1. Purpose and scope of application

The safety group is designed for autonomous water heating systems and hot water supply systems. The safety group provides functions such as protection against excess pressure in the system, removal of air and gases from the system, indication of pressure in the system only at the level of the pressure gauge. The safety group is equipped with an automatic float air vent, a safety valve and a pressure gauge. The automatic air vent is connected to the product body using a shut-off valve.

2. Technical specifications

Nº	Characteristic	Significance
1	Nominal diameter (VV), inches	1"
2	Nominal pressure, bar	10
3	Safety valve setting pressure, bar	3
4	Maximum power of the heat generator being serviced, kW	44
5	Manometer scale range, bar	from 0 to 10
6	Maximum temperature of the working medium, °C	to 120
7	Maximum capacity of the air vent (air), l/min	13
8	Nominal capacity of the safety valve (water), l/min	0,07
9	Application	water
10	Housing material	brass CW617N

Size	Code	G1	A, mm	B, mm	H, mm	Weight, g
1/2"	RBSG033	1"(25)	138.5	43	124	581



3. Construction and materials

Nº	Name	Quantity
1	Housing (brass)	1
2	Breathing nut (brass)	1
3	Manometer nut (brass)	1
4	Automatic air vent (brass)	1
5	Manometer (brass, plastic)	1
6	Pressure relief valve (brass)	1

3. Installation instructions.

- The safety group is mounted on the supply pipeline, as close as possible to the boiler and above its level, in a vertical position.
- It is prohibited to install shut-off valves, filters, etc. on the supply line to the safety group, valves that may cause the pipeline to be blocked or narrowed.
- The discharge from the safety valve must be connected to the sewage system with a drain hose with a break in the jet.
- The drain hose must match the diameter of the outlet of the safety valve. Its length must not exceed 2 m and it must not have more than 2 bends. If it is impossible to comply with these conditions (2 m, 2 bends), it is necessary to use a drain hose one size larger. The safety valve can be fixed in any position by rotating around its axis by 360°, which simplifies the laying of the drain hose.



4. Operating and maintenance instructions

- The products must be operated under the conditions specified in the technical characteristics table.
- It is not allowed to use valves to regulate the flow of the coolant.
- When installing valves in one-pipe systems, a shut-off section (bypass) must be provided in front of them. Installation of shut-off and regulating valves on the bypass is not allowed.
- Disassembly of the valve is not allowed.
- The working medium inside the valve must not freeze. When draining the system for the winter, the ball valves should be left in a half-open position so that no liquid remains between the ball valve and the valve body.

5. Warranty obligations

- 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.
- The warranty covers all defects caused by the manufacturer's fault.
- The warranty does not cover defects that have occurred in cases of:
 - violation of passport regimes for transportation, storage, installation, operation and maintenance of products;
 - 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.
- The manufacturer reserves the right to make changes to the product design that do not affect the declared technical characteristics.

6. Warranty terms and conditions

- Claims regarding the quality of the product may be made during the warranty period.
- 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.
- The Buyer will not be reimbursed for costs associated with dismantling, installation and transportation of a defective product during the warranty period.
- In cases where the claim is unfounded, the costs of diagnostics and examination are paid by the Buyer.
- Products are accepted for warranty repairs (as well as for returns) fully assembled.

WARRANTY CARD № _____

Product name _____
Brand, article, size _____
Quantity _____
Name and address of the trading organization _____ Date of sale _____
Signature of the seller _____

Stamp or seal
of the trading organization _____ I AGREE with the terms _____
BUYER _____ (signature)

The warranty period is two years (twenty-four months) from the date of sale to the endconsumer.
The warranty period for the pressure gauge is one year.
When making claims regarding the quality of the goods, the buyer provides the following documents:
1. An application in any form, which specifies:
2. the name of the organization, the full name of the buyer, the actual address and contact phone number;
3. the name and address of the organization that installed the product;
4. the main parameters of the system in which the crane was used;
5. a brief description of the defect;
6. A document proving the purchase of the product;
7. An act of hydraulic testing of the system in which the product was installed;
8. A completed warranty card, which is issued on the website of the manufacturer "raftec.eu".

Mark of return or exchange of goods: _____
Date _____ g. Signature: _____