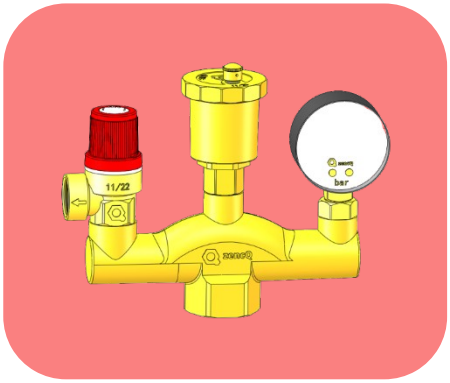
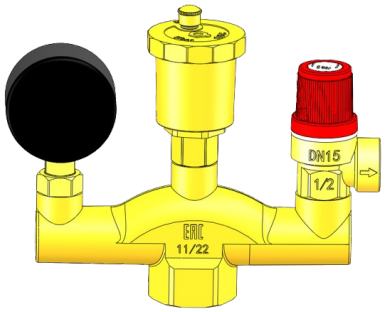
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ОПИСАНИЕ ПРОДУКТА

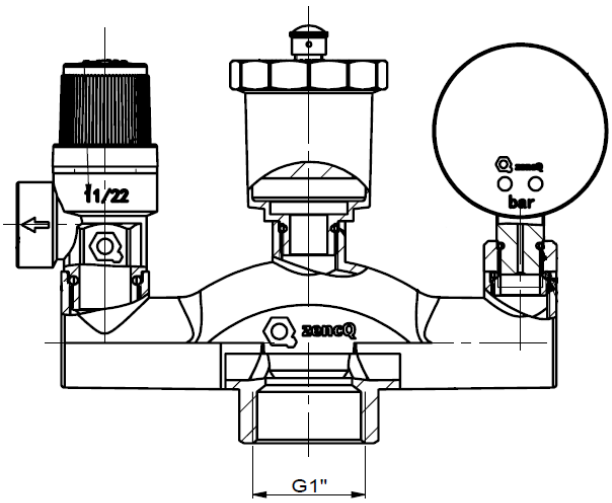
Safety groups are used to protect domestic heating systems from overpressure, display pressure in the system and remove air from it. Water or non-freezing liquids intended for use in heating systems can be used as a heat carrier.

The safety group is completed with an automatic float air vent, a safety valve and a pressure gauge.

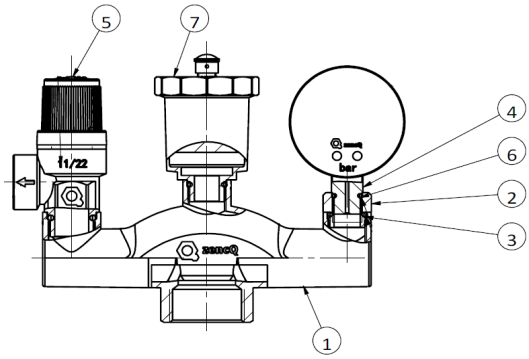



| TECHNICAL PARAMETERS | |
|---|---|
| Maximum working medium temperature | 100 °C |
| Rated working pressure, PN | 10 bar |
| Maximum power of the heating system (boiler) | 50 kW |
| Pressure gauge scale limit | 0 ÷ 6 bar |
| Relief valve set pressure | 3 bar |
| Safety valve connection thread | ½" |
| Connection type | Threaded |
| Threaded connection standard | ISO288/1 |
| Mounting position | Vertical |

DIMENSIONS



| DESIGN AND MATERIALS | | |
|---|---|---|
| 1 | Body | Brass HPb57-3 |
| 2 | Coupling | Brass HPb57-3 |
| 3 | Seal | EPDM |
| 4 | Pressure gauge fitting | - |
| 5 | Safety valve | - |
| 6 | Seal | EPDM |
| 7 | Air vent | - |




OPERATING PRINCIPLE

The safety group is completed with a pressure gauge, an automatic air vent (7) and a safety valve (5). A manometer is necessary to control the real pressure in the heating system. The air vent removes gases (air) from the system automatically. The safety valve (5) protects against pressure exceeding 3 bar.

The pressure gauge, air vent (7) and relief valve (5) are connected to the body of the safety group (1) using an anaerobic sealant.

INSTALLATION REQUIREMENTS

1. The safety group is installed in the immediate vicinity of the boiler on the supply pipeline in such a way that the air vent is in a strictly vertical position. There should not be any shut-off valves between the pipeline and the safety group.
2. The safety group is installed so that the air vent and safety valve are in a strictly vertical position, and the pressure gauge is directed towards the observer.
3. In case of connection of the outlet opening of the safety valve to the sewerage system, it is necessary to make a connection with a jet break for visual control of operation.
4. Installation and dismantling of the product, as well as any repair operations, must be carried out in the absence of pressure in the system. Couplings must be made using sealing materials. Before installing the safety group, the pipeline must be cleaned of scale and rust.
5. Heating systems, pipelines of boiler rooms, upon completion of their installation, must be washed with water until it comes out without mechanical suspensions.
6. The safety group must be securely fixed on the pipeline, leakage of the working fluid along the threaded part is not allowed.

OPERATION AND MAINTENANCE REQUIREMENTS

1. Safety groups must be operated at the pressure and temperature specified in the specification table.
2. To ensure that the air vent is working, it is necessary to unscrew (but do not remove) its cap. During operation, it is necessary to periodically check (at least once every six months) the operation of the safety valve. To do this, turn the valve handle clockwise until it clicks.
3. When filling, it is recommended to close the air vent of the safety group, and release air from the system through a special valve embedded in the upper point of the system. To turn off the air vent, its cap should be screwed up to the stop.

MANUFACTURER

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