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BSR Insulated Safety Group

Installation and Operation Manual
BSR Insulated Safety Group

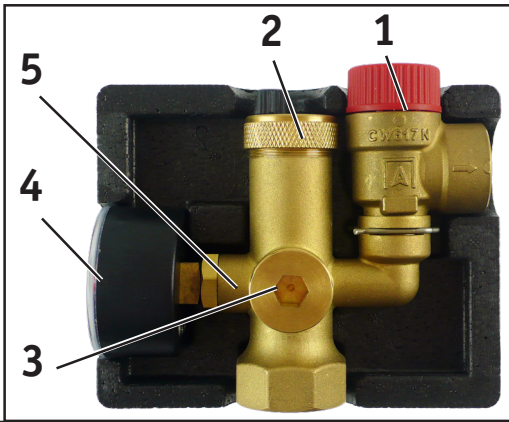
EN

BSR Insulated Safety Group

1. Main Features

A compact group of fittings for heat sources up to 50 kW designed for pressure control, air venting and protection against exceeding the maximum permitted overpressure (must always be installed in accordance with applicable regulations and standards for the location of the safety valve).

The BSR group consists of a safety valve (PV), an air vent valve (OV), a pressure gauge, a housing with two universal 1/2" F / 3/4" M sockets with plug and insulation.



1. Safety valve
2. Air vent valve
3. Universal input/ output - 2x
4. Pressure gauge
5. Safety group housing

Technical Data	
Safety valve opening pressure	2 bar - code **21391**; 2.5 bar - code **21713**; 3 bar - code **20753**
Max. installed thermal output	50 kW
Max. working pressure	10 bar
Max. working temperature	110 °C
Connection to heat source	1" F
Connection - safety valve	3/4" F
Connections - universal input/output - 2x	1/2" F / 3/4" M
Weight	655 g
Dimensions with insulation (WxHxD)	140 x 115 x 85 mm

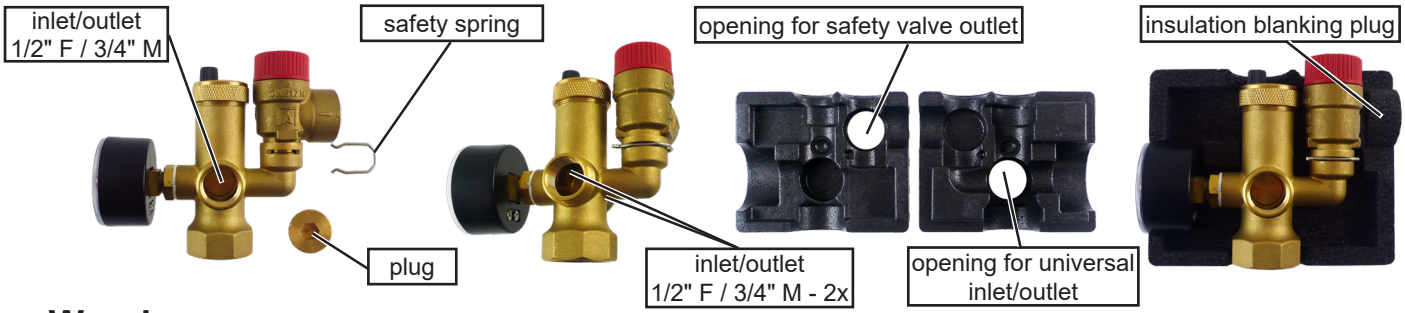
2. Installation Instructions

The BSR safety group must be mounted as close as possible to the heat source and above its highest point. The connection pipe must be as short as possible. It must not be closeable. The BSR safety group must be mounted vertically - see figure above.

The water outlet from the safety valve must be positioned so that it does not endanger people inside and outside the building or damage electrical components and wires, and its outlet is visible. The diameter of the safety valve drain pipe must be at least DN20 and it also depends on the length of the drain pipe and its slope towards the sewer pipe. For longer lines, we recommend choosing a nominal diameter of the drain pipe at least one to three degrees bigger.

The outlet neck of the safety valve can be directed 90° to the right or left of the longitudinal axis of the safety group. To rotate the safety valve, it is necessary to pull out the locking spring and, after placing the valve in the desired position, insert it back again. It is necessary to cut a prepared hole in the insulation and insert the enclosed blanking plug in place of the existing outlet - see the pictures below.

The BSR safety group can be connected to the piping to the expansion vessel, system top-up, etc. For this purpose, there are universal sockets with 1/2" F / 3/4" M connection threads on both sides of the safety group body. To connect the pipe, a prepared hole must be cut in the insulation - see pictures below.



3. Warning

The BSR safety group is perfectly tight from the factory. Additional tightening of the group parts may cause them to leak or even get damaged.

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v1.1-02/2026

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