DATA SHEET

BSR Safety Assembly in insulation

Main Features	
Application	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).
Description	The assembly consists of a safety valve (PV), an air release valve (OV), a pressure gauge, a housing with two universal 1/2" F / 3/4" M necks w. plug, insulation.
Installation	The safety assembly must be installed as close as possible to the heat source, above its highest point, with valves in a vertical position. There must be no shut-off valve between the safety assembly and the heat source. The outgoing pipe from the safety valve shall be at least DN20. The safety valve can be turned 90° to the right or left. Two pipes with connection dimensions 1/2" F or 3/4" M can be connected to the safety assembly (for an expansion vessel, system top-up, etc.).

Technical Data	
SV opening pressure	BSR-EV-2 bar – code **21391** BSR-EV-2.5 bar – code **21713** BSR-EV-3 bar – code **20753**
Max. installed heating 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
Connection – universal input/output	1/2" F/3/4" M
Weight	655 g
Dimensions with insulation (w x h x d)	140 x 115 x 85 mm

Materials	
SV housing	brass CW617N
SV membrane material	silicone
SV plastic parts	PA-6
AV plastic parts	PA-6
Safety assembly body with necks	brass CW617N

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