

Safety relief valve for domestic water systems

EN

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531 series



General

The safety relief valves are made in compliance with the essential safety requirements laid down by Directive 2014/68/EU of the European Parliament and the Council of the European Union on the harmonisation of the laws of the Member States relating to pressure equipment. The instructions below were drafted in compliance with Article 3.4, Appendix 1 of Directive 2014/68/EU, for the purpose stated therein, and will be supplied with the products when placed on the market.

Marked safety relief valves are in compliance with the Pressure Equipment (Safety) Regulations SI 2016 No.1105, as amended.



TÜV certified

with large outlet, component tested in accordance with EN 1491.
VdTÜV SV100 Safety valve

Technical specifications

Body:	EN 12165 CW 617N
Cover:	PA plastic
Knob:	ABS
Obturator seal:	EPDM
Nominal pressure:	PN 10
Working temperature range:	5–95 °C
Medium:	water
Pressure Equipment Directive (PED):	IV
Connections:	1/2" x 3/4" - 3/4" x 1" - 1" x 1 1/4" - 1 1/4" x 1 1/2"
Setting:	4 - 6 - 8 - 10 bar
Suitable for water storage heaters according to EN 12897 DIN 4753 Parts 1 and 7.	

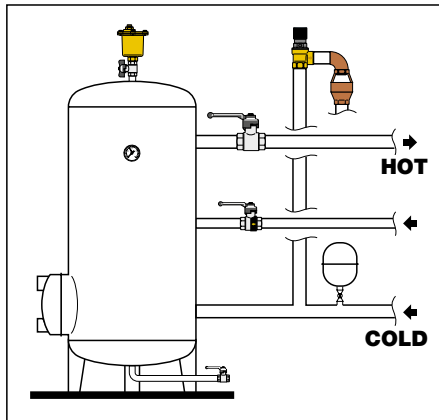
Installation in domestic water systems

The valve can be installed in any position, preferably vertical, but not upside down. Observe the flow direction indicated by the arrow. When installed to protect a water storage heater, refer to the DIN 1988 standard. The safety relief valve must be installed on the cold water inlet of the water storage heater. Where possible, the valve must be installed higher than the water heater so that it is not necessary to empty the entire volume for cleaning. The connection pipe between the safety relief valve and the water heater and/or other device to be protected must be interceptable. No filters or other narrowing elements may be installed. The drain pipe must be the same size as the valve drain connection. It must not be longer than 2 m, with no more than 2 elbows. If, for reasons that cannot be altered, more elbows or a longer pipe are required, the whole drain line must be larger. The installation may have no more than 3 elbows nor be longer than 4 m. The drain pipe must be laid with a gradient to help the flow.

The end of the discharge pipe must be such that the drain is visible and cannot cause any damage.

The pipe must drain into a tundish and end inside the building. The tundish outlet pipe must be twice the size of the valve inlet.

NOTE: For safety reasons, the water must be able to flow out of the drain pipe during heating! Do not close!



Maintenance

The valve must be checked annually by turning the knob manually to drain the medium, thereby cleaning the seal seat. If the valve leaks, with the medium flowing out constantly or dripping, it should be checked by a qualified technician as there may be dirt impeding its operation.

Bond

All safety relief valves are made with the highest precision and undergo the strictest testing. Nevertheless, in the event of a malfunction, our warranty covers material damage and manufacturing defects. The warranty does not apply if the safety plate has been damaged or in the event of tampering or normal wear. To benefit from your warranty rights, you must send the whole valve to the company.

Safety

If the safety relief valves are not installed, commissioned and maintained correctly according to the instructions contained in this manual, they may not function properly and could endanger the user. Check the hydraulic seal of all connection fittings. When making hydraulic connections, make sure that threaded connections of the valve body are not mechanically overstressed. Over time this could result in breakage, with water leaks causing damage and/or injury. Water temperatures above 50 °C can cause serious scalding. During installation, commissioning and maintenance of the safety relief valves, take all the necessary precautions so that such temperatures do not cause harm to people.



Leave this manual as a reference guide for the user

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