

Safety relief valves

514 for tapwater and heating systems



Safety relief valve for tap water installations and for heating, recycling and cooling systems with only thermal expansion. The valve must not be used for steam.

Design

High lifting and soft sealing safety relief valve. Valve body made of CR-brass, EN 12165 CW602N. Membrane of EPDM rubber.

Inlet connection with male thread G $\frac{1}{2}$. O-ring sealed to ensure an easy fitting to other LKA valves. Outlet connection with 15 mm compression fitting.

Fitting/Installation

The safety relief valve can be installed horizontally or vertically, i.e. with the valve knob facing outwards or upwards. In horizontal installation, the outlet must be positioned so that a water pocket can not be formed. The thread has to be sealed in the usual manner.

The o-ring seal ensures simple fitting to other LKA valves. Tighten first by hand and then with a spanner, 0,5-1,5 turn until the desired position of the discharge pipe is achieved. If the valve is fitted to other components than a LKA valve, the thread has to be sealed in the usual manner.

It is easier to fit the compression fitting if lubricant is applied to the thread and bevel. Tighten first by hand and then with a spanner. Soft pipes are to be fitted with a support sleeve.

Operation/Maintenance

The safety relief valve requires no maintenance. The opening function should, however, be checked 2-3 times a year.


Turn the plastic knob anti-clockwise a $\frac{1}{4}$ turn until a faint "click" is heard. Let the water flush through briefly, then turn another $\frac{1}{4}$ turn until a stronger "click" is heard and the valve closes. The opening function in two steps makes it possible to drain the water heater using the overflow on the safety relief valve.

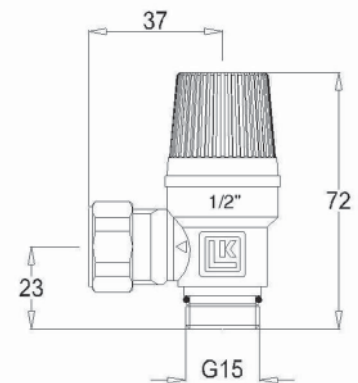
The safety relief valve may open after a large amount of water has been drained from the water heater. This is a normal function since the pressure relief level in the water heater can be reached due to the increased volume of the water when heated.

Max working temperature: 120 °C

Max blow-off capacity:
See the list below.

Type approval certificates

 Swedcert TG 0197
CE



Article	Dimension	Art. no	Pack qty	Opening pressure/ Max blow-off capacity
Tap water				
514-0.4	G $\frac{1}{2}$ male 15 mm	090112	1	0.4 MPa - 96 l/min
514-0.6	G $\frac{1}{2}$ male/15 mm	090113	1	0.6 MPa - 118 l/min
514-0.7	G $\frac{1}{2}$ male/15 mm	090114	1	0.7 MPa - 104 l/min
514-0.9	G $\frac{1}{2}$ male/15 mm	090115	1	0.9 MPa - 122 l/min
514-1.0	G $\frac{1}{2}$ male/15 mm	090116	1	1.0 MPa - 148 l/min
Heating systems				
514-0.15	G $\frac{1}{2}$ male/15 mm	090109	1	0.15 MPa - 31 l/min
514-0.2	G $\frac{1}{2}$ male/15 mm	090108	1	0.2 MPa - 35 l/min
514-0.25	G $\frac{1}{2}$ male/15 mm	090110	1	0.25 MPa - 50 l/min
514-0.3	G $\frac{1}{2}$ male/15 mm	090111	1	0.3 MPa - 81 l/min
514-0.4	G $\frac{1}{2}$ male/15 mm	090112	1	0.4 MPa - 96 l/min
514-0.6	G $\frac{1}{2}$ male/15 mm	090113	1	0.6 MPa - 118 l/min