

Mixing valve

545-22



Thermostatic mixing valve for water heating, fitted with shut-off/check valve 508.

Max pressure: 1.0 MPa
Max working temp: 90 °C

Design

Valve body made in DZR-brass, EN 12165 CW602N. Warm water within the range 38°C–65°C.

Pipe connection 22 mm with compression fittings. Plain cold water connection \varnothing 22 mm.

Fitting / Installation

The arrow on the valve housing indicates the direction of the flow.

KV = incoming cold water

VV = incoming hot water

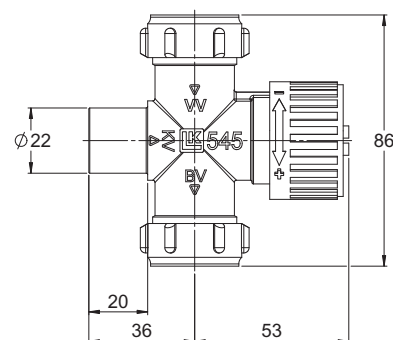
BV = outgoing warm water

The valve has compression fittings for fitting to copper or steel pipes. When fitted to a male thread connection, adapter;

LK 373 15 x G $\frac{1}{2}$ art.no 189 8022, or

LK 373 22 x G $\frac{3}{4}$ art.no 189 8055 is used.

It is easier to fit the compression fitting if a lubricant is applied to the thread and bevel. Tighten first by hand and then with a box spanner. Number of turns to be tightened with a spanner: See the table on page 21. Soft pipes are to be fitted with a support sleeve.



Operation and maintenance

The mixing valve requires no maintenance.

The installation should be checked regularly.

The valve knob is used to set the desired hot water temperature within the range 38°C to 65°C. The maximum temperature can be calibrated as follows:

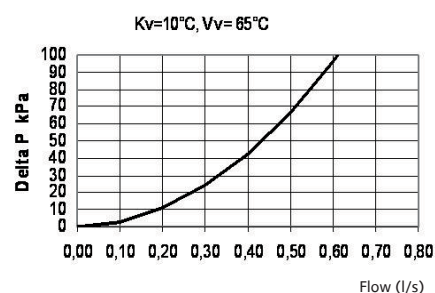
Increasing the maximum temperature:

Turn the knob counter-clockwise to (+). Loosen the screw and move the knob out to the side. Then turn the knob clockwise to (-) without it being engaged. Adjustments are carried out in small steps. A $\frac{1}{4}$ turn corresponds to approximately 7°C. Reinstall the knob and check that it engages with the “teeth”. Tighten the screw and then turn the knob to max (+).

Max calibration for increasing the temperature is a $\frac{1}{2}$ turn.

Reducing the maximum temperature:

Do the procedure in reverse. Turn the knob clockwise to (-) and the disengaged knob counter-clockwise to (+).



Article	Dimension	Art. no	Pack qty
545-22	22 mm	090195	1