



## Automatic mixing valve with double regulation for hot water systems

### What is double regulation?

Most of the automatic mixing valves mix with cold water only, which results in erroneous circulation, incorrect and fluctuating temperature of hot water. The automatic mixing valve with double regulation controls the hot and cold water proportionately. Immediately, constant- temperature hot water is available.

### How does it operate?

The extending switch pushes the hollow piston (1) downward against the spring (2) force. Thus the hot water through-hole (3) is reduced, and simultaneously, the cold water through-hole (4) is increased. Both water streams can mix in the hollow piston (1), rinsing the sensing element (5) surface intensely. As a result, the element promptly responds to the temperature fluctuation. The temperature range required can be set by the knob (6). The piston and ring (7) are made from high-quality plastic; therefore, no calciferous deposits form.

The hot and cold water inlet pressures must be balanced.

### Overload protection ensuring long service life.

As the hollow piston does not hit against the seat, the sensor is not overloaded even if the water temperature highly exceeds the usual level. Therefore, high manual change in the mixing temperature can be made without the risk of damaging the sensor or other parts of the mixing device.

### Connections:

- internal thread 3/4"

