

Temperature Control Valve TV/SC-A

1 Application

For use with hot water or steam heating systems to control the inside temperature of enclosures, cabinets and protective houses. The TV/SC-A ensures:

- ◆ Economic freeze protection
- ◆ Accurate temperature control

2 Particular Advantages

- ◆ Compact space-saving design
- ◆ Setpoint adjustment through interchangeable temperature sensor (temperproof)
- ◆ High accuracy of temperature control even with high steam pressure
- ◆ Made from stainless steel, therefore also suitable for water/glycol heating medium
- ◆ Can be installed in any orientation

3 Description

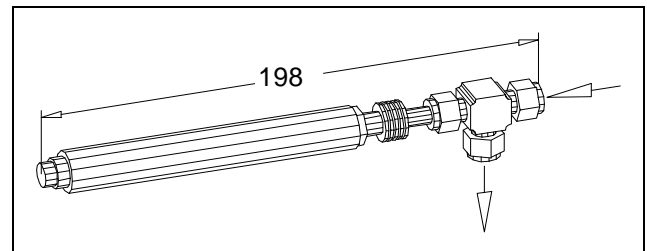
The inside temperature is measured by the sensor and transferred to a temperature sensitive liquid in the cylinder of the sensor. An increase in temperature causes the liquid to expand and pushes a piston in the cylinder to close the control valve against a spring. Valve body and connection fittings are made from stainless steel, the cylindrical part is additionally coated with acetyl-copolymer.

4 Technical Data

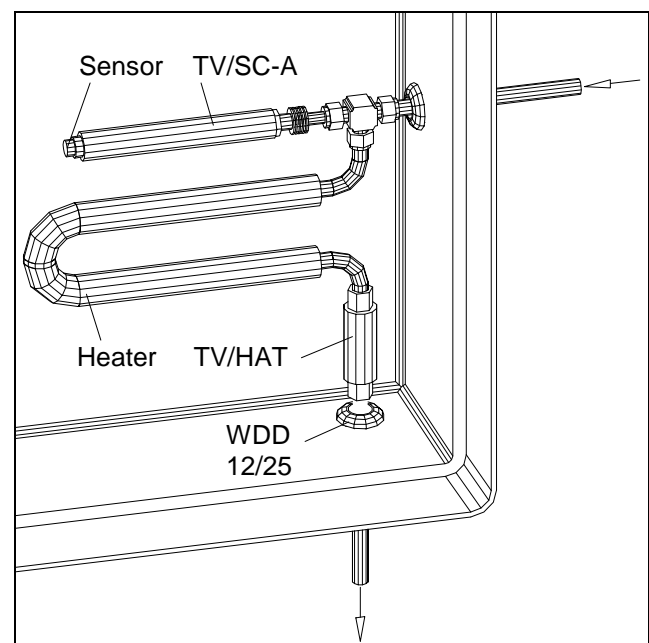
Max. working pressure	13,8 bar
Setpoint	10°C (other set points on request)
Control deviation	approx. 1°C from setpoint
Cv-value	0,5
Connection thread	12mm (3/8"on request)
Weight	0,35 kg (12,4oz)

5 Accessories

- ◆ Grommets WDD made from permanently elastic, high temperature resistant polymer
- ◆ Condensate trap TV/ HAT



6 Suggestion for Installation



Accessories for installation should be ordered separately according to requirement.