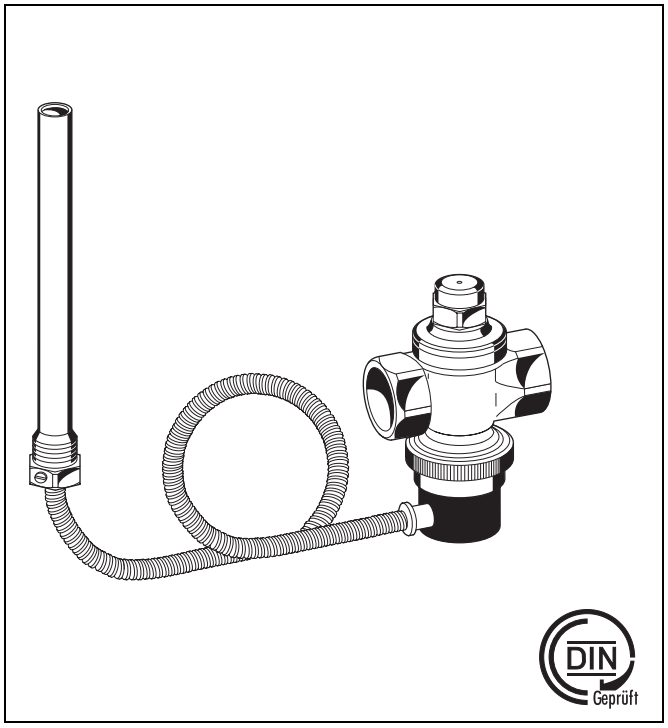
Honeywell

TS131

Temperature Relief Valve
With test facility and double sensor

Product specification sheet



Construction

The temperature relief valve comprises:

- Housing with internal thread
- Bonnet
- Valve piston with form seal
- Spring
- Remote double temperature sensor with capillary tube
- Immersion pocket G 1/2" (ISO 228)

Materials

- Brass housing, bonnet and immersion pocket
- Copper temperature sensor
- Copper capillary tube
- Brass valve piston
- Hot-water-resistant elastomer seals

Application

The TS131 temperature relief valve for heating systems according to EN 12828 is a self-acting valve which is activated by the flow temperature of the heat generator. It opens and discharges water from the heat generator or condensing coil at a flow temperature of 95 °C and thereby prevents a significant temperature rise in the heat generator.

Special Features

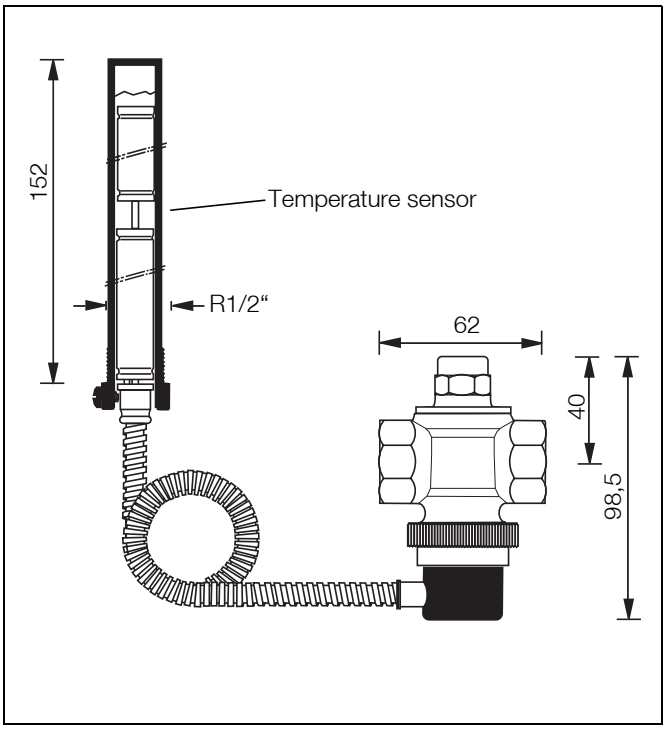
- Construction tested to EN 14597 (TH119507)
- Immersion pocket with double heat sensors
- Test facility
- Capillary tube protected against kinking by steel sheath
- Immersion pocket with external thread

Range of Application

Multi-fuel boilers with integral water heating or condensing coils in closed solid-fuel fired heating systems to EN 12828.

Technical Data

Heating system capacity	max. 100 kW
Opening temperature	95 °C
Flow capacity	2800 kg/h water at the pressure drop Δp=1 bar (Inlet pressure 5bar; Outlet pressure 4bar) (1 capillary tube)
Connection size	Rp $^3/_4$" (DIN EN 10226)
Operating pressure	max. 5 bar



Method of Operation

The temperature relief valve is actuated by the flow temperature of the heat generator. It comprises a spring-loaded valve and a bellows operated temperature sensor. When a boiler flow temperature of 95ºC is reached the force exerted by the bellows system becomes greater than the force of the spring and the valve opens. Heated potable water then flows out and this is replaced by cold water from the supply network.

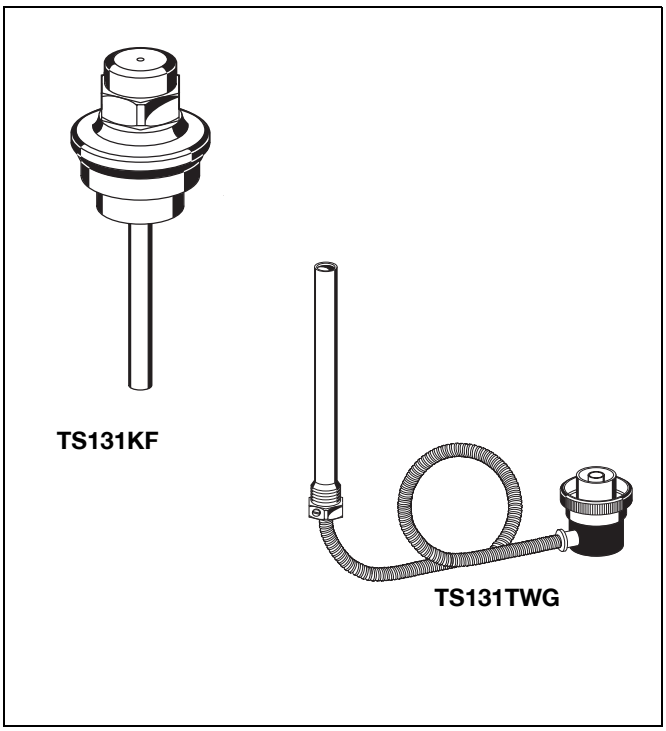
This absorbs excess heat from the heat generator and prevents overheating.

Options

TS131-3/4A = Opening temperature 95 °C
capillary tube with protection sheath 1300 mm, with approved construction

TS131-3/4B = Opening temperature 95 °C
capillary tube with protection sheath 4000 mm

TS131-3/4Z = Special Versions available on request



Spare Parts

TS131KF-3/4 **Piston guide complete for TS131**
Connection size 3/4"

TS131TWG-3/4 **Temperature motion transducer for TS131**
Opening temperature 95°C
Option A = Capillary tube with protection sheath 1300 mm
Option B = Capillary tube with protection sheath 4000 mm

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