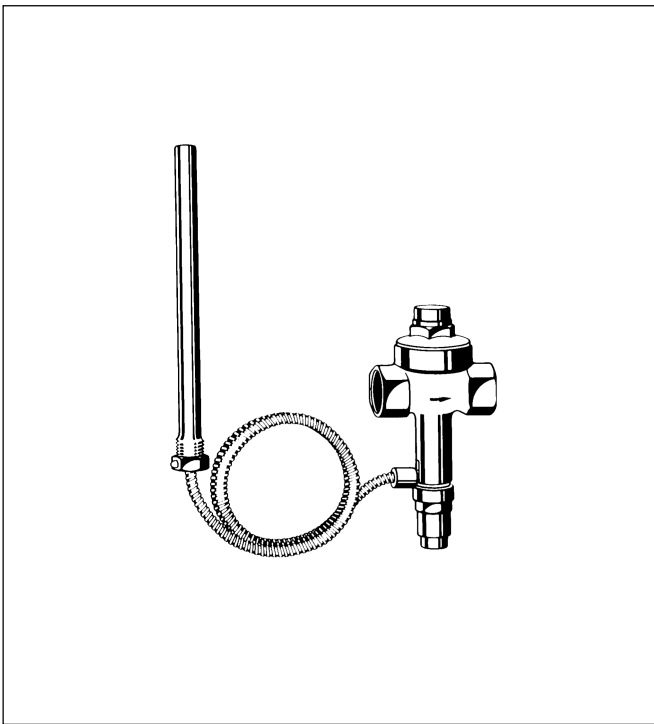


TS130 Temperature Relief Valve

WITH TEST FACILITY AND DOUBLE SENSOR

PRODUCT DATA



Application

The TS130 Temperature Relief Valve for heating systems to DIN 4751, Sheet 2 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 (203°F) and thereby prevents a significant temperature rise in the heat generator.

Features

- Construction tested to DIN 3440
- Immersion pocket with double heat sensors
- With 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 DIN 4751, Sheet 2.

Specifications

Heating system capacity	max. 93 kW (80 000 kcal/h)
Operating temperature	95°C (203°F)
Flow capacity	2000 kg /h water at a minimum flow pressure of 1,0 bar (14,5 P.S.I.)
Connection size	Rp 3/4" (DIN 2999)

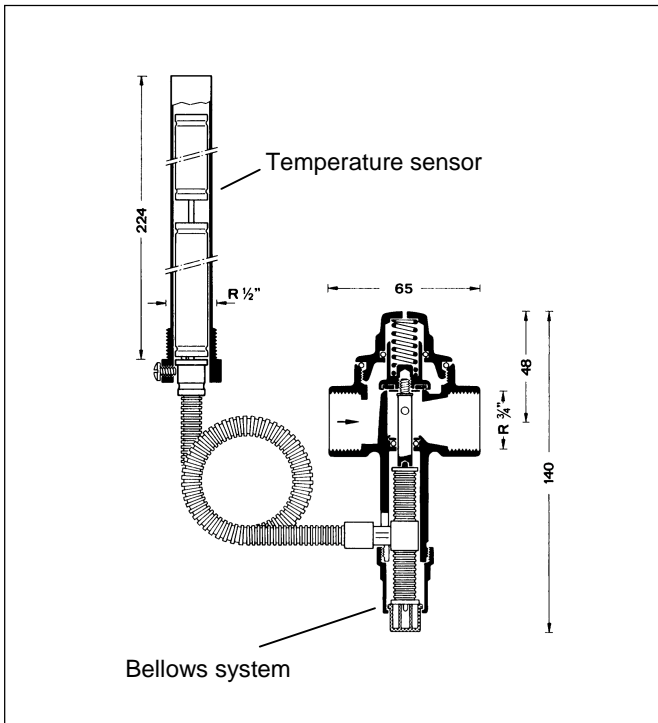
Design

The Temperature Relief Valve comprises:

- Housing with internal thread
- Bonnet
- Valve piston with seal disc
- Spring
- Immersion pocket
- Remote double temperature sensor with capillary tube
- Immersion sensor 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



Function

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 95°C 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.

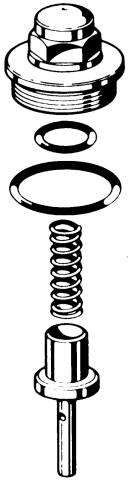
Versions

- TS130 - 3/4 A = Opening temperature 95°C (203°F), capillary tube with protection sheath 1300 m, with approved construction
- TS130 - 3/4 B = Opening temperature 95°C (203°F), capillary tube with protection sheath 4000 m
- TS130 - 3/4 Z = Special versions on request

Accessories

Complete piston guide for TS130

TS130 KF-3/4 A



Honeywell

Home and Building Control

Honeywell AG
 Zu den Ruhrwiesen 3
 D-59755 Arnsberg-Neheim

Phone: (49) 2932 9880
 Fax: (49) 2932 988239
 mng@honeywell.com

<http://europe.hbc.honeywell.com>