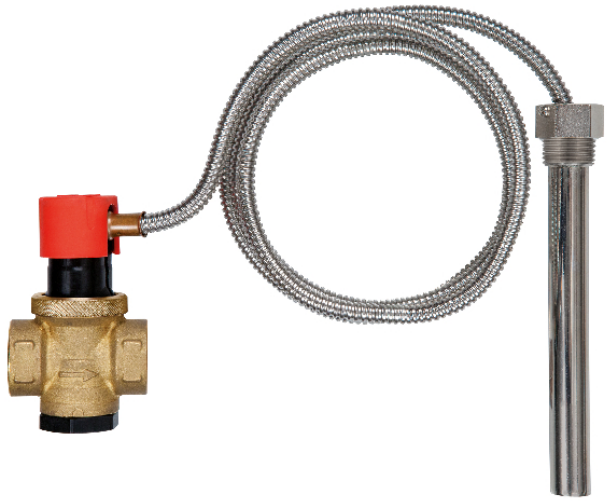

Thermal safety valve

benefits

- high response temperature
- short stem
- Easy and fast function test by pressing the valve head once

Application

To protect sealed or open solid fuel heating systems as per EN 12828 with a heating capacity of up to 86,000 kcal. Also required for dual-fuel boilers which can be operated with solid fuels.

Description

Thermal safety valve with two independent sensor systems. TAS consists of a valve housing, a valve, two independent bellow type displacement probes with liquid-filled temperature probes and a pocket. The capillary tube is protected by a flexible metal hose. TAS is connected to the hot water outlet of the water heater or to the inlet of the safety heat exchanger. If the response temperature is exceeded, the valve is opened by the thermal probe and cooling water from the mains water supply system is supplied to keep the system from exceeding the maximum operating temperature. Correct operation of TAS can be verified quickly and easily by simply pressing the valve head.

Technical Specifications

Operating pressure
max. 10 bar

Operating temperature range
Ambient: max. 80 °C at valve
Operating temperature: 5/115 °C
short-term operating temperature: max. 125 °C at capillary tube and probe
response temperature: 99 °C

blow-off capacity
> 2.4 m³/h at 110 °C and Δp = 1 bar

Connection
2 x G¾ female

connection immersion pipe
G½ male

Dimensions
Immersion pipe length: 146 mm
Installation length: 146 mm to boiler

Material
Housing: Hot-pressed brass
Stem: Brass, nickel-plated

Versions

			Part no.
Thermal safety valve TAS 03	capillary tube 1.3 m	●	42415
Thermal safety valve TAS 03	capillary tube 4 m	●	42418

● in-stock items

○ Non-stock items