



## Thermal safety valve TAS 03



### 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.

### Versions

	Part no.
Thermal safety valve TAS 03 capillary tube 1.3 m	42415
Thermal safety valve TAS 03 capillary tube 4 m	42418
Screw connection G $\frac{3}{4}$ for TAS 03	42450
Pocket G $\frac{1}{2}$ for TAS 03	42449

Blue part no. = in-stock items

### 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

re:

Short-term operating temperature: Max. 125 °C at capillary tube and probe

Response temperature: 99 °C

re:

### Blow-off capacity

> 2.4 m<sup>3</sup>/h at 110 °C and  $\Delta p = 1$  bar

### Connection

2 x G $\frac{3}{4}$  female

### Connection immersion pipe

G $\frac{1}{2}$  male

### Dimensions

Immersion pipe length: 146 mm

length:

Capillary tube length: 1,300 mm or 4,000 mm

Installation length: 146 mm to boiler

### Material

Housing: Hot-pressed brass

Stem: Brass, nickel-plated