BOILER PROTECTION AGAINST OVERHEATING
One-way Thermal Relief Valves

BVTS
Thermal Safety Relief Valves with capillary

Thermostatic valve with a capillary designed for cooling solid-fuel boilers with **a cooling heat exchanger**.

By opening a cold water inlet, the valve removes heat from a boiler cooling heat exchanger, protecting the boiler from overheating in case of emergency. Its opening temperature depends on the valve version (the valve is factory set and cannot be changed by the user).

In order to work properly, the valve sensor shall be installed in a place where the highest temperature is reached in case of overheating - usually directly in a top section of the boiler or in an outlet pipe close to the boiler.

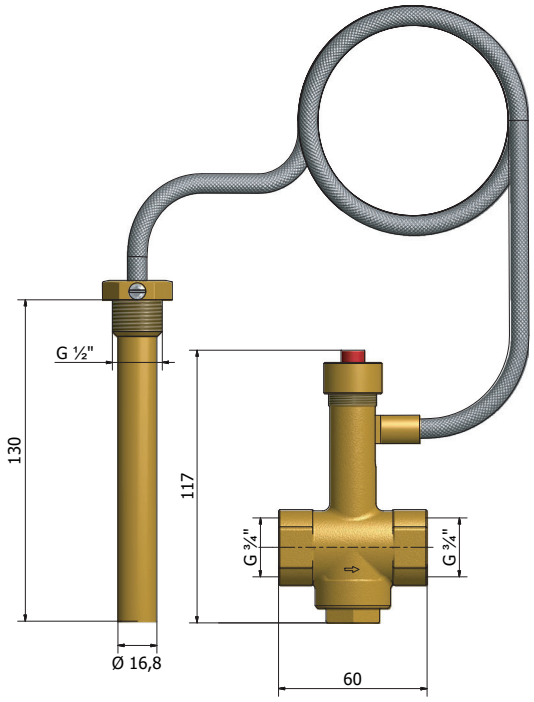
The valve has an activation push button for manual opening. Functional tests are performed on each valve in production.

TECHNICAL DATA

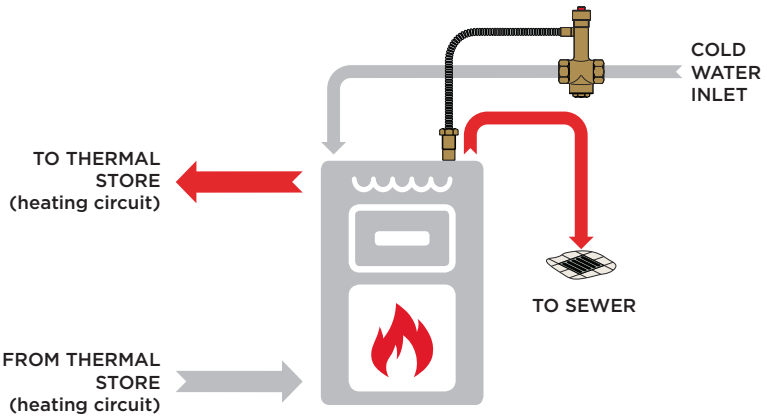
MAX. WORKING PRESSURE - HEATING WATER	**6 bar**
MAX. WORKING PRESSURE - COLD WATER	**10 bar**
CONNECTION THREAD	**G 3/4“ F**
SENSOR SHEATH THREAD	**G 1/2“ M**

The valve’s design meets the requirements for devices for removing excess heat according to Article 4.3.8.4 of EN 303-5:2012.

DIMENSIONS



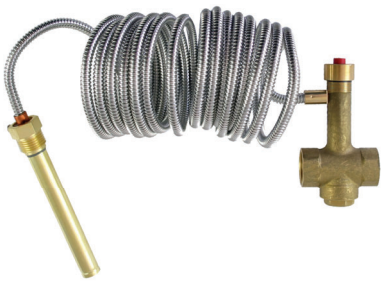
CONNECTION IN A SYSTEM



MODELS	CAPILLARY LENGTH [MM]	CAPILLARY DESIGN	VALVE OPENING TEMP. T ± 2 °C [°C]	WEIGHT [KG]	CODE
BVTS 50°C 1.3M O	1 300	detachable	50	0.7	14473
BVTS 55°C 1.3M	1 300	fixed	55	0.7	14474
BVTS 65°C 1.3M	1 300	fixed	65	0.7	14475
BVTS 70°C 1.3M	1 300	fixed	70	0.7	14476
BVTS 95°C 1.3M	1 300	fixed	95	0.7	14477
BVTS 95°C 4.0M	4 000	fixed	95	1.0	14478
BVTS 95°C 1.3M O	1 300	detachable	95	0.7	14479
BVTS 97°C 1.3M	1 300	fixed	97	0.7	14480
BVTS 97°C 1.3M NIKL	1 300	fixed	97	0,7	14713
BVTS 100°C 1.3M O	1 300	detachable	100	0.7	14481
BVTS 108°C 1.3M	1 300	fixed	108	0.7	14483

Version with a detachable capillary

Nickel-plated version



4-m capillary version