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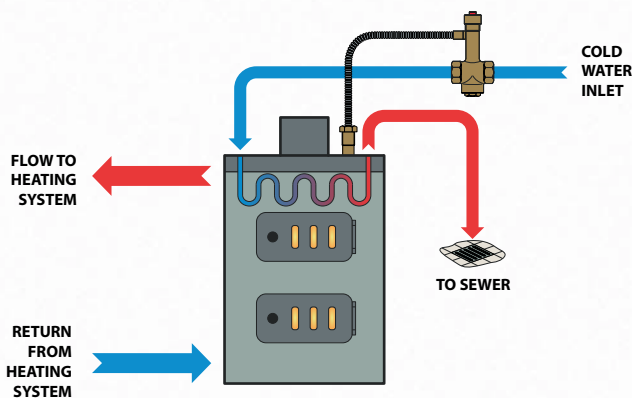
The valve has an activation push button for manual opening. Functional tests are performed on each valve in production.

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 meets the requirements set by the Pressure Equipment Directive (PED) 97/23/EC and EN 14597. It is a STW device of Th type as defined by EN 14597, so it fulfils the requirements for a device to dissipate excess heat, as of Art. 4.3.8.4, EN 303-5.
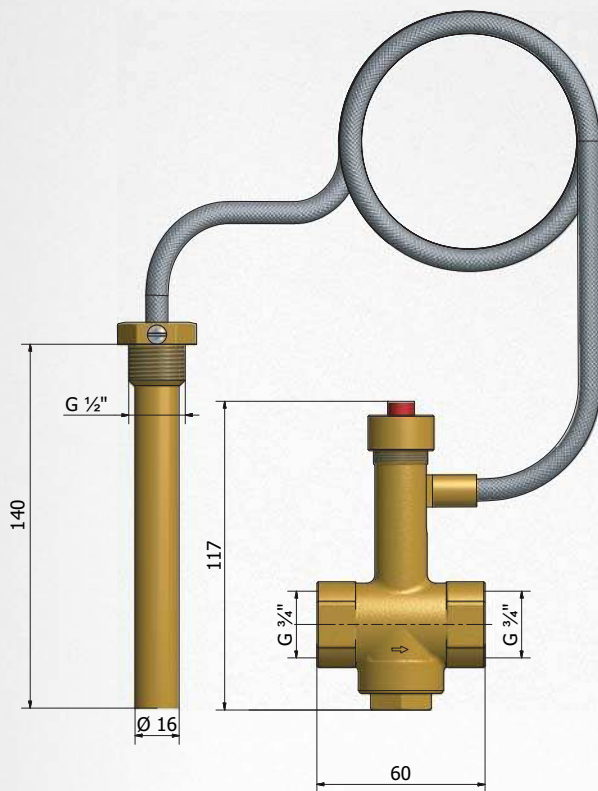
Connection in a system

COLD WATER INLET

FLOW TO HEATING SYSTEM

TO SEWER

RETURN FROM HEATING SYSTEM

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Protection and Control

Energy-saving solutions

Dimension and versions

Nickel-plated version

Version with a detachable
capillary

4-m capillary version

Version	Capillary length [mm]	Capillary design	Valve opening temp. t ± 2 °C [°C]	Weight [kg]	Code
BVTS 97°C 1,3M NIKL	1 300	fixed	97	0.7	**14713**
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 100°C 1,3M O	1 300	detachable	100	0.7	**14481**
BVTS 108°C 1,3M	1 300	fixed	108	0.7	**14483**

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