

# CPT 15 & CPT 22

## Pressure & Temperature Relief Valves

Discharges water to prevent cylinder damage from excess high temperature or pressure

### Overview

Reliance Valves 15 & 22 Combined Temperature & Pressure Relief Valves (CPT) are compact in their design. The valve protects against over pressurisation, and over temperature which can occur within an unvented hot water system if the input temperature or pressure controls fail.

The valves are designed to be installed directly to the upper portions of a hot water cylinder, as this is where the hottest temperature is found. If the system rises above 95°C, the wax mixture within the element of the temperature probe will expand lifting the valve off its seat and releasing water to the waste, reducing the pressure within the cylinder. If the water pressure increases (without temperature increase), the valve will stay closed until the set pressure of the relief mechanism is reached, at which point the valve will again open and the excess pressure is relieved. Some models come complete with a PTFE coating on the MBSP inlet thread that can save valuable time during installation.

Product code	Size	Description
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#### CPT 15

##### Standard Probe

PTEM540001	½" MBSP x 15mm	7.0 bar
PTEM540005	½" MBSP x 15mm	10.0 bar with PTFE
PTEM540010	½" MBSP x 15mm	7.0 bar with PTFE
PTEM540015	½" MBSP x 15mm	4.5 bar with PTFE
PTEM540020	½" MBSP x 15mm	6.0 bar with PTFE
PTEM540025	15mm x 15mm	7.0 bar

##### Short Probe

PTEM540030	½" MBSP x 15mm	7.0 bar
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##### Long Probe

PTEM540100	½" MBSP x 15mm	7.0 bar
PTEM540105	15mm x 15mm	7.0 bar
PTEM540110	½" MBSP x 15mm	10.0 bar
PTEM540115	½" MBSP x 15mm	6.0 bar

#### CPT 22

##### Standard Probe

PTEM585200	¾" MBSP x 22mm	4.5 bar
PTEM585205	¾" MBSP x 22mm	7.0 bar
PTEM585210	¾" MBSP x 22mm	10.0 bar

##### Long Probe

PTEM585250	¾" MBSP x 22mm	7.0 bar
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### Pressure & Temperature Relief Valves

#### Features and benefits

- Protect against temperature rising beyond 95°C
- Prevent over pressurisation
- Twist top cartridge design for easy servicing
- Range of different pressure settings and different probe lengths available
- Complete with PTFE coating (some models)

#### Specifications

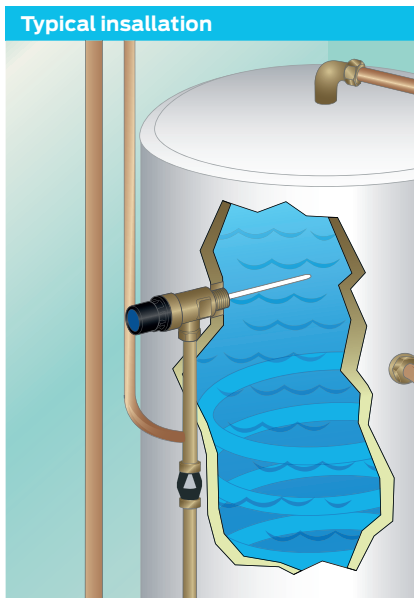
Temperature relief	90-95°C
Pressure relief tolerance	+/-5%
KW rating	CPT15: 10kW CPT22: 25kW
Maximum ambient temperature	100°C
Short probe length	30mm
Standard probe length	95mm
Long probe length	200mm

#### Standards and approvals

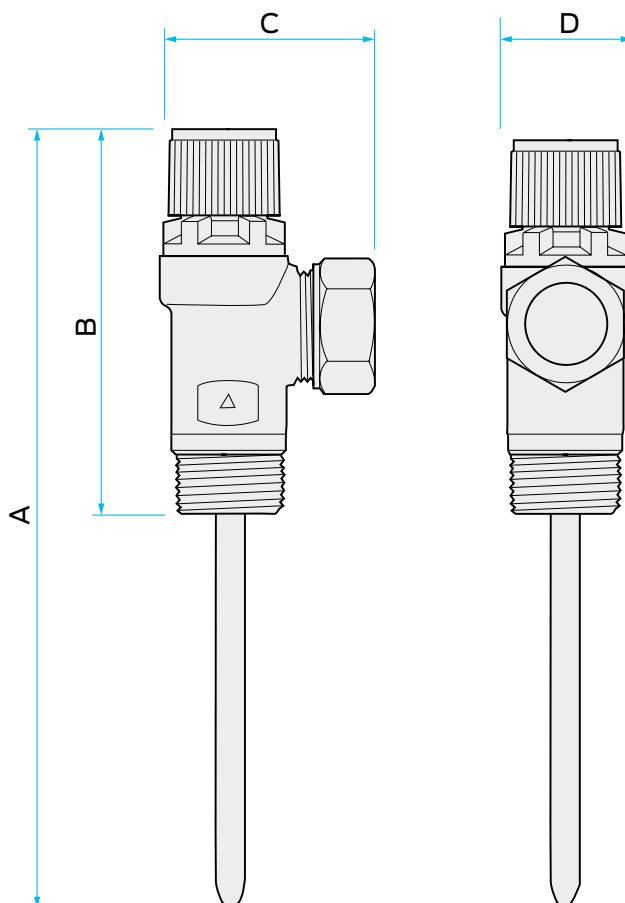
BS EN 1490

WRAS Approved

#### Typical installation



#### Dimensions – All measurements in mm unless otherwise stated



Product code	A	B	C	D
PTEM540001	187	88	49	31
PTEM540005	187	88	49	31
PTEM540010	187	88	49	31
PTEM540015	187	88	49	31
PTEM540020	187	88	49	31
PTEM540025	187	88	49	31
PTEM540030	124	88	49	31
PTEM540100	291	88	49	31
PTEM540105	291	88	49	31
PTEM540110	291	88	49	31
PTEM540115	291	88	49	31
PTEM585200	187	98	52	31
PTEM585205	187	98	52	31
PTEM585210	187	98	52	31
PTEM585250	291	98	52	31