

# Thermomix Thermostatic Mixing Taps, Showers and Valves

## Reduce the risk of Scalding

Thermostatic Mixing Controls should ideally be used in all cases where there is a risk of scalding to the user; notably the very young, the very old and those requiring special needs. They are therefore ideally suited for School, Hospital, Nursing Home and Health Care Premises application, where; in order to prevent the incidence of Legionella, the stored hot water will be at 60 Degrees Celsius or above. Each of these controls require a hot and cold water supply to work.

## Reduce the risk Legionella

Temperature is the preferred method of controlling legionella bacteria and all plumbing installations should be made with this in mind. Cold water should be stored below 20°C and cold taps should supply water below 20°C within two minutes. Hot water should be stored at 60°C or above and hot taps should supply water at or above 50°C within one minute. Fitted before the terminal outlet, TMV's can reduce the temperature to a preset level, thereby facilitating safety, both in terms of hot water storage and comfortable water delivery.

## Using Temperature to Control Legionella

70° to 80° C	Disinfection range
66° C	Legionella die within 2 minutes
60° C	Legionella die within 32 minutes
55° C	Legionella die within 5 to 6 hours
50° C	Legionella can survive but do not multiply
20° to 50° C	Legionella growth range
Below 20° C	Legionella are dormant

## Maximum Recommended Outlet Temperatures for a Health Care Environment

Application	Max. Temp.
Bidet	38° C
Shower	41° C
Washbasin	41° C
Sit in Bath fill	41° C
Bath	44° C
Assisted Bath	46° C



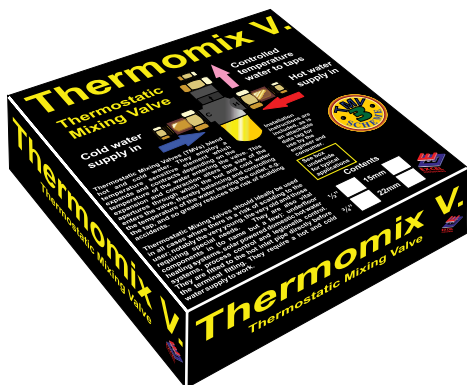
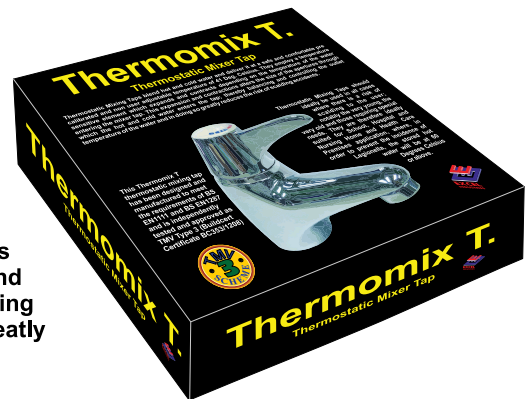
## The Thermomix S Thermostatic Shower

This control blends hot and cold water and delivers it at a safe and comfortable pre calibrated and non user adjustable\* temperature of 43 Deg. Celsius. It features independent flow and temperature controls which facilitates reducing or increasing the flow and reducing the outlet temperature. It employs a temperature sensitive element which expands and contracts depending on the temperature of the water entering the shower. This expansion and contraction alters the size of the apertures through which the hot and cold water enters the shower; thereby balancing and controlling the outlet temperature of the water to a safe temperature. It responds rapidly to changes in temperature and pressure in order to maintain a safe and reliable showering environment. \* An override button allows the user to exceed the preset maximum temperature.



## The Thermomix T Thermostatic Tap

This control blends hot and cold water and delivers it at a safe and comfortable pre calibrated and non user adjustable temperature of 41 Deg. Celsius. It employs a temperature sensitive element which expands and contracts depending on the temperature of the water entering the mixer tap. This expansion and contractions alters the size of the apertures through which the hot and cold water enters the tap; thereby balancing and controlling the outlet temperature of the water and in doing so greatly reduces the risk of scalding accidents.



## The Thermomix V Thermostatic Mixing Valve

This control blends hot and cold water by employing a temperature sensitive element which expands and contracts depending on the temperature of the water entering the valve. This expansion and contraction alters the size of the apertures through which the hot and cold water enters the valve, thereby balancing and controlling the temperature of the water leaving the outlet, e.g. the tap, and so greatly reduces the risk of scalding accidents.



## Approvals & Application

Thermomix thermostatic mixing controls have been designed and manufactured to meet the requirements of BS EN1111 and BS EN1287. Each has been tested independently and is approved as TMV Type 3, and are designated as being suitable for use within the parameters shown below.

The **TMV Scheme** is an independent third party approval scheme administered by Buildcert.

The **TMV Scheme** certifies Type 3 thermostatic mixing valves manufactured to meet the highest specifications required by the NHS Estates D08 standard for mixing valves for use within health care premises in the United Kingdom. TMV3 approval is targeted at the Healthcare and Commercial thermostatic sector and uses the NHS specification D 08 as a basis for the thermostatic valves performance tests.

Code	Description	Price	Barcode
TMIXS	Thermomix Mixing Shower	318.52	5391269741175
TMIXT	Thermomix Mixing Tap	226.08	5391269741168
TMIX153	15mm Thermomix Mixing Valve TMV3	119.80	5391269728213
TMIX223	22mm Thermomix Mixing Valve TMV3	129.80	5391269702688

