



Over-Temperature Anti-Scald Valve

Design Features:

- * Brass valve body, thermal element, precise temperature control
- * Plug-in type valve, reliable opening and closing
- * Compact design, quick response
- * Only sensitive to temperature, unaffected by pressure
- * Purely mechanical structure, safe and reliable
- * Suitable for installation or retrofitting on bathroom faucets or showers

Operating Principle:

Winning™ self-contained over-temperature anti-scald valve is built-in with a thermal element that can accurately detect water temperature. Operating completely without electricity, it can block the flow of high-temperature water exceeding 47°C to

Installation:

During normal operation, first turn on the cold water to the desired flow rate, then turn on the hot water and adjust to the desired temperature.

Function Test:

- * During testing, ensure that water flow does not splash or spray onto the human body.
- * Allow a large flow of warm water to pass through the safety anti-scald valve, then shut off the cold water outlet and observe the water flow shut-off condition:
- * Once hot water exceeding the set point, flows through, the safety anti-scald valve will immediately reduce the water flow to a trickle. The continuous small flow of water helps restore normal water flow when the water temperature drops below the set point.
- * It is recommended to perform a routine test on the safety anti-scald valve monthly. If the anti-scald valve is found damaged during testing, it is recommended to replace it in a timely manner.

Restore The Water Flow:

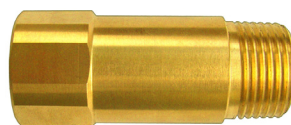
- * When the safety anti-scald valve blocks the flow of high-temperature water, turn off the hot water supply. Once water stops flowing, turn on the cold water supply. The safety anti-scald valve will quickly restore normal water flow.
- * First, turn on the cold water and adjust it to the desired flow rate, then mix in the hot water until the desired temperature is reached.

Functions and Applications

A stored water heating system needs to maintain a water temperature of at least 60°C to effectively prevent bacterial growth. However, human skin will suffer severe scalding if exposed to water at this temperature for just a few seconds. The Winning™ over-temperature safety anti-scald valve can ensure that the water supply temperature does not exceed 49°C. With proper installation and operation, the valve will keep the bathing water temperature below this set point, thereby protecting bathers from scalding. The valve's rapid response also prevents accidental scalding caused by unintentionally turning on the hot water supply. This product is widely used in both residential and public settings, including homes, kindergartens, nursing homes, hotels, and hospitals.

Product Features:

- * Maximum water temperature: 95°C
- * Flow Rate at a pressure difference of 0.5 MPa:
 - Maximum flow rate: 16 L/min
 - * Minimum flow rate: 0.4 L/min
- * shut-off temperature: 47±1°C
- * Maximum working pressure: 10 kg/cm²
- * Minimum working pressure: 0.07 kg/cm²



FP15-117
anti-scald valve