



# TBV

Thermostatic Balancing Valve



## Thermostatic balancing valve

For domestic hot water **recirculation systems**

With automatic or controlled **disinfection function**



For use in domestic hot water recirculation systems.



Ensures equal balance and temperature in all sections of the pipeline



Designed to house a sensor for remote temperature control



TBV PLUS is equipped with anti-legionella thermal disinfection function through a second thermostatic cartridge



TBV ULTRA is equipped with an actuator-controlled disinfection function



Material  
antidezincification  
low-lead brass



Nominal  
pressure  
16 bar



Adjustment  
range  
35 - 60°C



Disinfection  
Temperature  
70°C

**AVAILABLE IN VERSIONS:**

1/2" F x 1/2" F

3/4" F x 3/4" F



NSF REG4 - PRODUCT

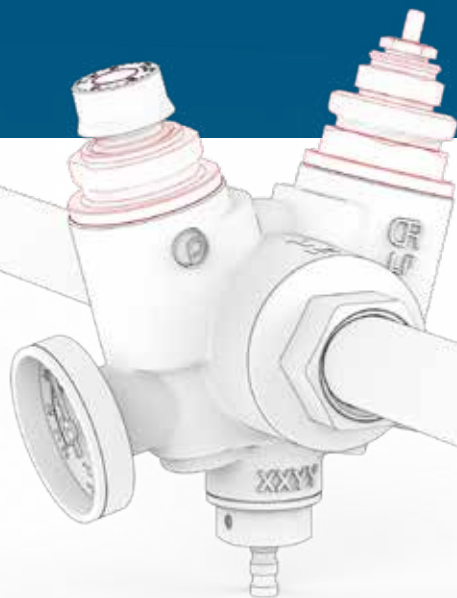
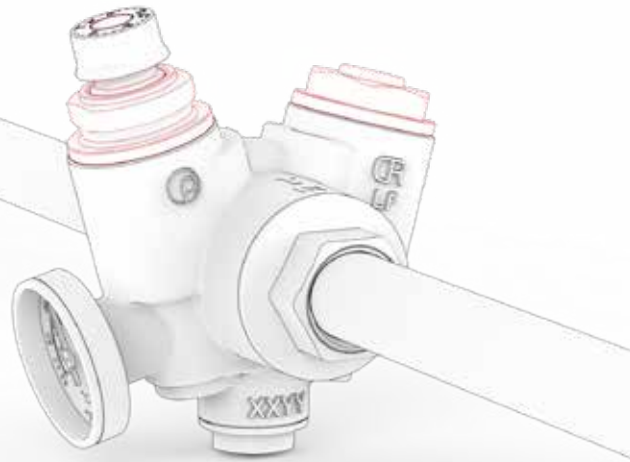
## WORKING PRINCIPLE

The presence of a temperature-sensitive sensor enables automatic balancing of the flow in the recirculation system, ensuring equal hot water flow at the desired temperature to all distribution columns.

### TBV PLUS

Thermostatic Balancing Valve

TBV PLUS balancing valves are equipped with an **additional thermostatic element**, housed in the second chamber, designed to enable the **disinfection process**.

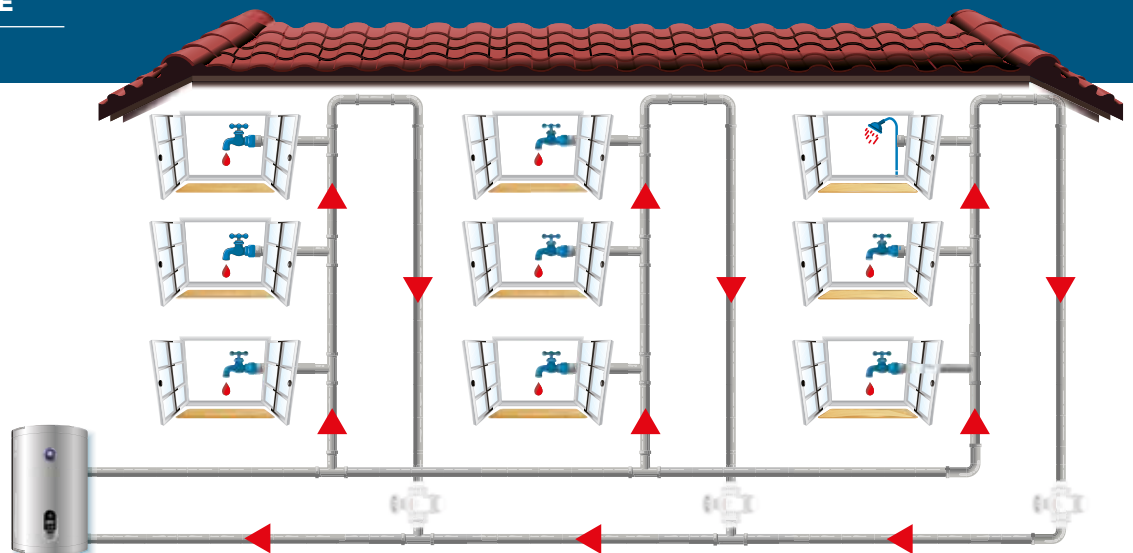


### TBV ULTRA

Thermostatic Balancing Valve

TBV ULTRA thermostatic valve when equipped with a thermoelectric actuator allows to **automatically drive the disinfection treatment** by means of a by-pass valve that can be controlled by **NC thermoelectric type actuators**.

## APPLICATION SCHEME



## ACCESSORIES

### TB100CK



3/4" F x 3/4" F ball valve  
flat seat free nut complete  
with check valve for outlet use

### 7500TD



3/4" F x 3/4" F ball valve  
flat seat free nut for inlet use

### OTBOOCK



M x F check valve  
for valves outlet use.  
Available 1/2" M x 1/2" F  
and 3/4" M x 3/4" F

### T39P/80



Contact thermometer.  
Dual scale 0-80°C / 32°-176°F

### OTB02



1/2" M x M10 F adapter/reducer

## ACTUATORS

**TBV** ULTRA  
Thermal Ball Valve



A542O2  
A542O4  
A544O2  
A544O4



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