

TBV

Thermostatic Balancing Valve



Thermostatic balancing valve
For domestic hot water recirculation systems
With automatic or controlled disinfection function



TBV
Thermostatic Balancing Valve

TBV ULTRA
Thermostatic Balancing Valve

TBV PLUS
Thermostatic Balancing Valve



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 includes an **actuator-controlled disinfection function**



TBV is **tested and certified** by NSF



Material
antidezincification
low-lead brass



Nominal
pressure
16 bar

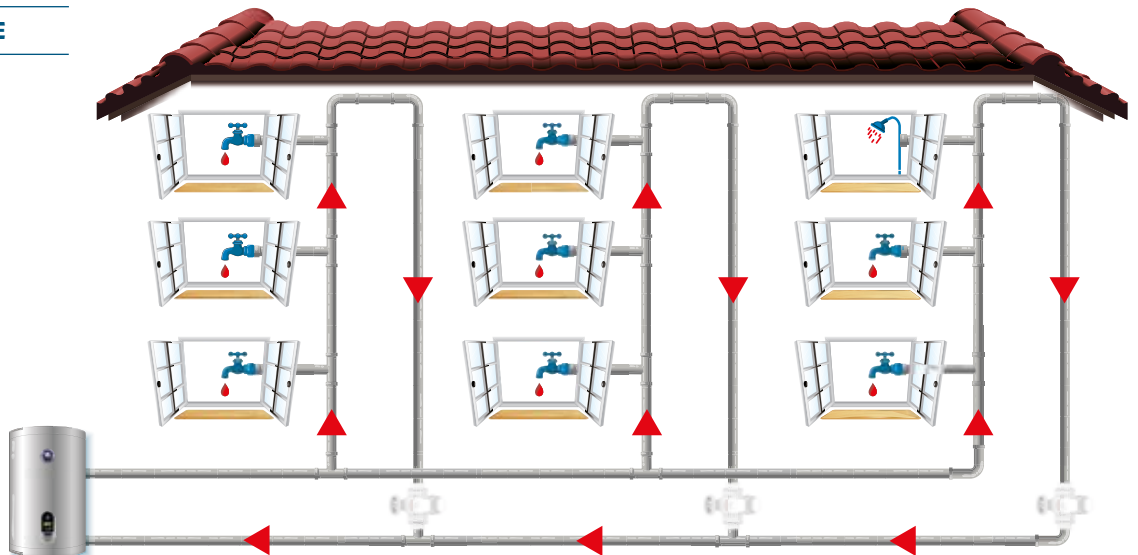


Adjustment
range
35 - 60°C



Disinfection
Temperature
70°C

APPLICATION SCHEME

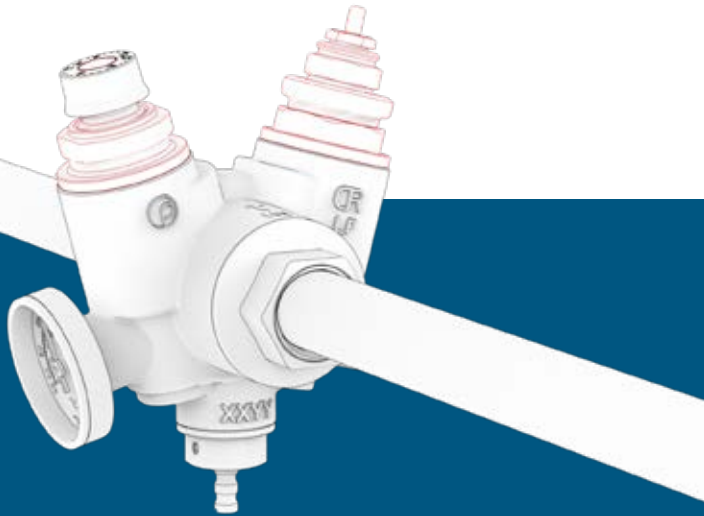
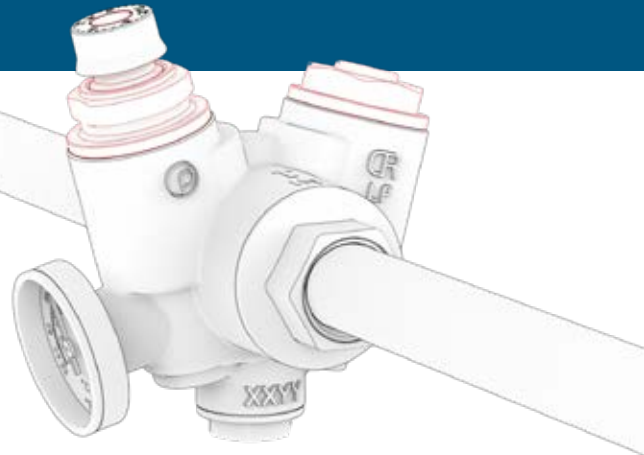


WORKING PRINCIPLE

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

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



TBV ULTRA

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**.

PRODUCT RANGE

TB20

TBV



Adjustable thermal balancing valve for sanitary hot water recirculation systems, made by lead free corrosion resistant brass. PN16, Max working temperature 90°C. Temperature setting range: 35°- 60°C. Kv max: 1,80. Available connections F x F or M x M (TB20/2).

Ø"

1/2" F x 1/2" F

3/4" F x 3/4" F

3/4" M x 3/4" M

Available in NPT version

TB30

TBV PLUS



NSF REG4-PRODUCT

Adjustable thermal balancing valve for sanitary hot water recirculation systems, made by lead free corrosion resistant brass. Equipped with Thermal element for automatic anti legionella treatment. PN16, Max working temperature: 90°C. Temperature setting range: 35°- 60°C. Disinfection Temperature: 70°C Kv max: 1,80. Available connections F x F or M x M (TB30/2).

Ø"

1/2" F x 1/2" F

3/4" F x 3/4" F

3/4" M x 3/4" M

Available in NPT version

TB50

TBV **ULTRA**



NSF REG-4 PRODUCT

Adjustable thermal balancing valve for sanitary hot water recirculation systems, made by lead free corrosion resistant brass. Equipped with Antilegionella Disinfection device by thermoelectrical actuator. PN16, Max working temperature: 90°C. Temperature setting range: 35°- 60°C. Disinfection Temperature: >=70°C Kv max: 1,80. Available connections F x F or M x M (TB50/2).

Ø"

1/2" F x 1/2" F

3/4" F x 3/4" F

3/4" M x 3/4" M

ACCESSORIES

TB100CK



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

TB100



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

52FG/5R



FilterBall ball valve with integrated strainer type FM 28. Red butterfly handle. Connections: F x F. Features: made of non dezincifiable and lead-free alloy CW511.

ACTUATORS



A542O2 ; A542O4 ; A544O2 ; A544O4.

Actuators for **TBV ULTRA**

OTB00CK



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

OTB02



1/2" M x M10 F adapter/reducer

T39P/80



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



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