

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

3/4" M x 3/4" M

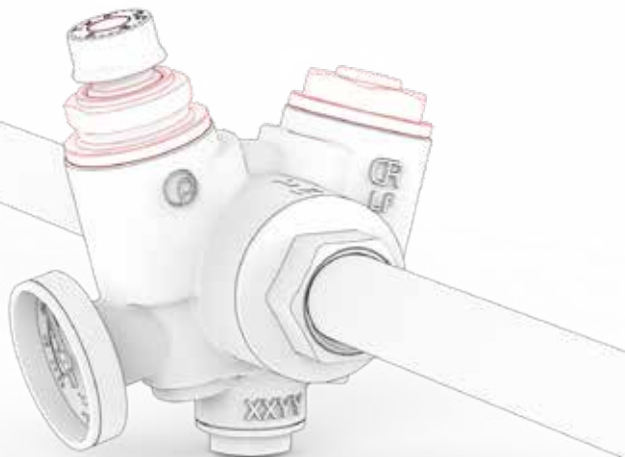


WORKING PRINCIPLE

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.

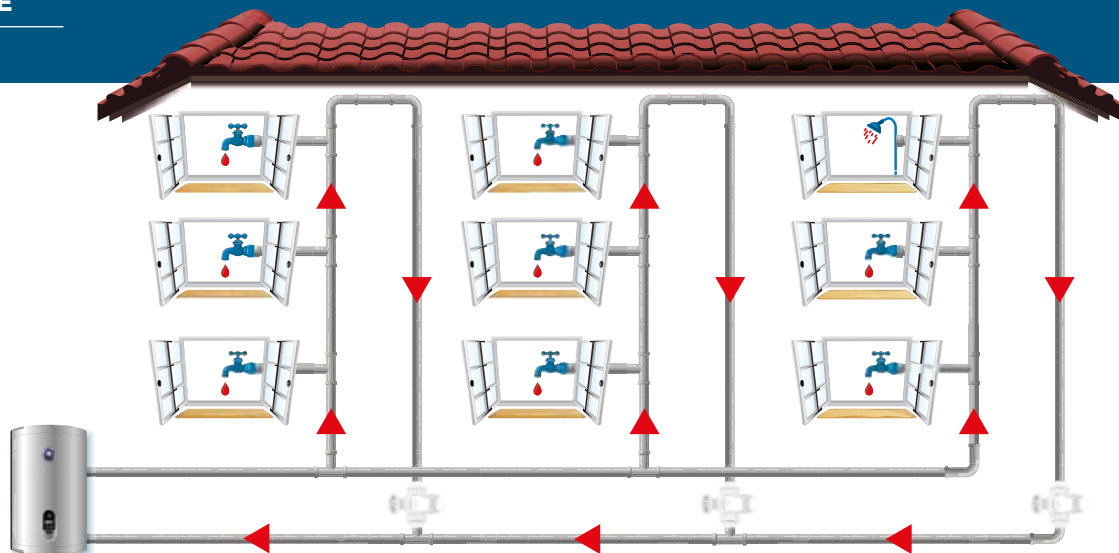


TBV PLUS balancing valves are equipped with an **additional thermostatic element**, housed in the second chamber, designed to enable the **disinfection process**.



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

TB100



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

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

T39P/80



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

OTB02



1/2" M x M10 F adapter/reducer

ACTUATORS

TBV ULTRA
Thermostatic Balancing Valve



A542O2
A542O4
A544O2
A544O4