

THERMOSTATIC MIXING VALVE

PREMIUM SERIES VTA330

The ESBE thermostatic mixing valves series VTA330 are designed to satisfy the highest possible market requirements when it comes to accuracy of regulation, quick reaction and safe function with high flow capacity, regardless of varying pressure conditions.



VTA330
External thread

OPERATION

Series VTA330 is primarily designed to provide a highly accurate temperature regulation in point-of-use positions for domestic hot water, at taps or showers where no further temperature-control fittings have been installed.

FUNCTION

The quick reaction thermostat and the pressure balanced control valve regulator allow the VTA330 to provide minimal changes of temperature regardless of varying pressure conditions. Asymmetrical flow pattern. Scald safe*.

VERSIONS

The product range includes a wide choice of valves delivered with adapter fitting kits, each including three adapter fittings and two check valves, which facilitate easy installation and maintenance.

Supplied with a top cover, unless otherwise stated.

*) Scald safe means that in the case of a cold water failure, the hot water supply shuts off automatically.

MEDIA

These valves can handle the following types of media:

- Fresh water / Potable water
- Closed systems
- Water with antifreeze additive (glycol ≤ 50% mixture)

VALVES ARE DESIGNED FOR

| Series | Temperature range | | Application |
|--------|-------------------|-----------|---|
| | 32 - 49°C | 35 - 60°C | |
| VTA330 | ○ | ○ |  Potable water, in line |
| VTA330 | ● | ● |  Potable water, point of use |
| VTA330 | | |  Solar heating |
| VTA330 | | |  Cooling |
| VTA330 | ○ | |  Floor heating |
| VTA330 | | ○ |  Radiator heating |

● recommended ○ secondary alternative

TECHNICAL DATA

Pressure class: _____ PN 10
 Working pressure: _____ 1,0 MPa (10 bar)
 Differential pressure: _____ Mixing, max. 0,3 MPa (3 bar)
 Media temperature: _____ max. 95°C
 Temperature stability: _____ ± 1°C*
 Connection: _____ External thread (G), ISO 228/1

* Valid at unchanged hot/cold water pressure, minimum flow rate 4 l/min.
 Minimum temperature difference between hot water inlet and mixed water outlet 10°C.

Material

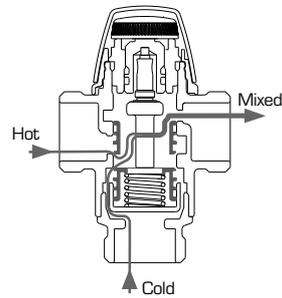
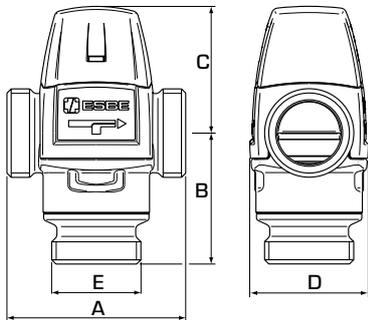
Valve housing and other metal parts with fluid contact:
 _____ Dezincification resistant brass, DZR
 Surface treatment: _____ Nickel-plated

PED 2014/68/EU, article 4.3

Pressure Equipment in conformity with PED 2014/68/EU, article 4.3 (sound engineering practice). According to the directive the equipment shall not carry any CE-mark.

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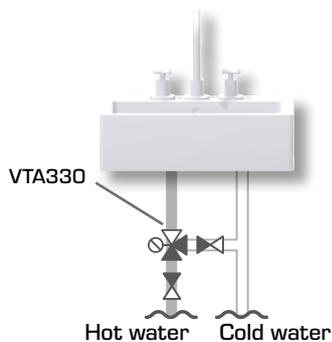
➔ SERIES VTA332, EXTERNAL THREAD

| Art. No. | Reference | Temp. range | Kvs * | Connection E | Dimension | | | | Note | Weight [kg] |
|----------|-----------|-------------|-------|-----------------|-----------|----|----|----|------|----------------|
| | | | | | A | B | C | D | | |
| 31150200 | VTA332 | 32 - 49°C | 1,2 | G 3/4" | 70 | 54 | 52 | 46 | | 0,52 |
| 31150700 | VTA332 | 35 - 60°C | 1,2 | G 3/4" | 70 | 54 | 52 | 46 | | 0,52 |
| 31150900 | | | 1,3 | G 1" | | | | | | 0,55 |

* Kvs-value in m³/h at a pressure drop of 1 bar.

INSTALLATION EXAMPLES

See the catalogue section "How to choose the correct installation/ position" for further information and connection examples.



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CAPACITY DIAGRAM

