

# THERMOSTATIC MIXING VALVE

## PREMIUM SERIES VTA360

The ESBE thermostatic mixing valves series VTA360 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.



VTA360  
External thread

### OPERATION

Series VTA360 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 VTA360 to provide minimal changes of temperature regardless of varying pressure conditions. Symmetrical 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	
VTA360	○	○	Potable water, in line
VTA360	●	●	Potable water, point of use
VTA360			Solar heating
VTA360			Cooling
VTA360	○		Floor heating
VTA360		○	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)  
 Pressure drop diagram: \_\_\_\_\_ see catalogue  
 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.

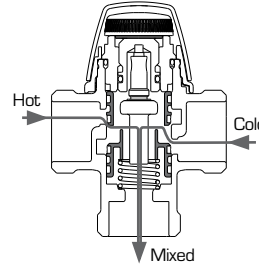
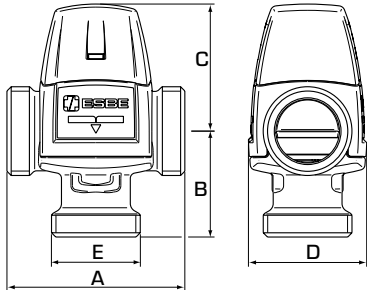
Material  
 Valve housing and other metal parts with fluid contact:  
 \_\_\_\_\_ Dezincification resistant brass, DZR  
 Surface treatment: \_\_\_\_\_ Nickel-plated

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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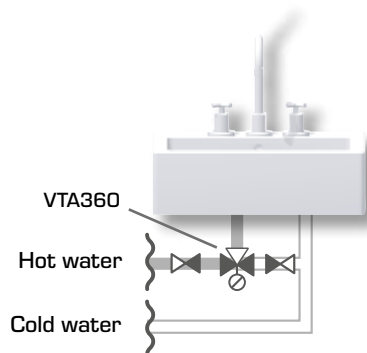
### Series VTA362, EXTERNAL THREAD

Art. No.	Reference	Temp. range	Kvs *	Connection E	Dimension				Note	Weight [kg]
					A	B	C	D		
31151400	VTA362	32-49°C	1,2	G ¾"	70	42	52	46		0,45
31151100	VTA362	35-60°C	1,2	G ¾"	70	42	52	46		0,45
31151200			1,3	G 1"						0,48

\* Kvs-value in m<sup>3</sup>/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

