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 32 – 49°C	Temperature range 35 – 60°C	Application
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)
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.

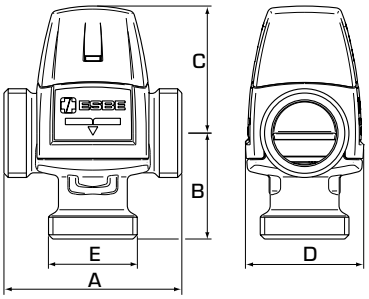
Material
Valve housing and other metal parts with fluid contact: Dezincification resistant brass, DZR
Surface treatment: Nickel-plated

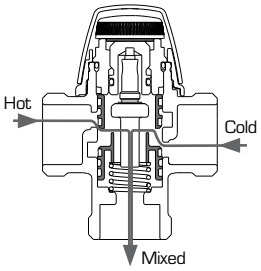
PED 2014/68/EU, article 4.3

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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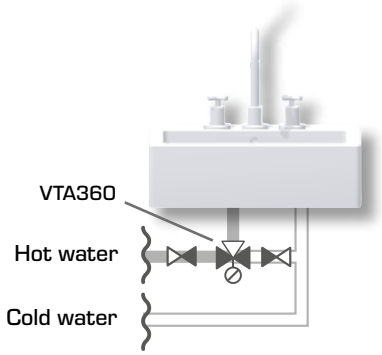


SERIES VTA362, EXTERNAL THREAD

Art. No.	Reference	Temp. range	Kvs*	Connection E	Dimension A	B	C	D	Note	Weight [kg]
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^3/h at a pressure drop of 1 bar.

INSTALLATION EXAMPLES

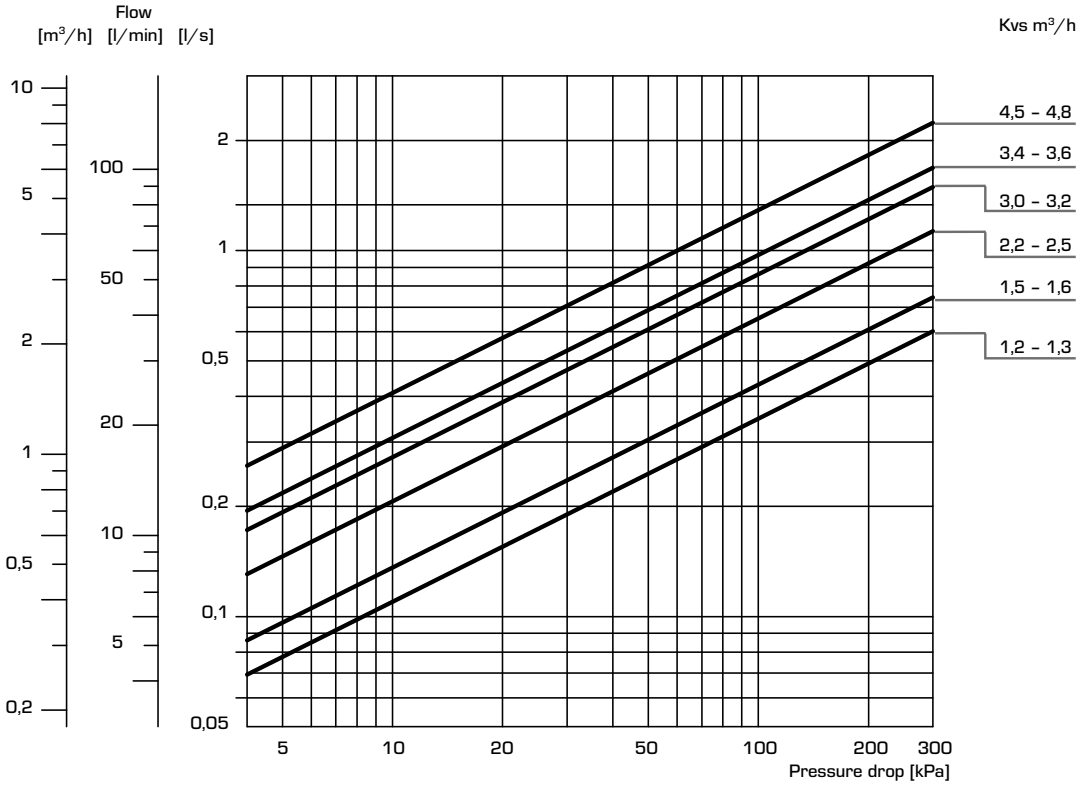


The shown applications are only examples of product use!
Before using the product in any application, the regional and national regulations need to be checked.

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CAPACITY DIAGRAM



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