

# THERMOSTATIC MIXING VALVE SERIES VTA310

The ESBE thermostatic mixing valves series VTA310 is primarily designed for domestic hot water regulation at heaters without any requirement for a scald safe function.

## OPERATION

The series VTA310 is designed for temperature control in domestic hot water installations without any requirements for a scald safe function. This series of valves is not suitable for domestic hot water installations equipped with HWC.

## FUNCTION

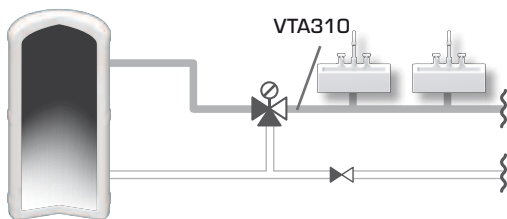
Asymmetrical flow pattern.

## VERSIONS

Supplied with a knob unless otherwise stated.

## INSTALLATION EXAMPLES

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








VTA310

External thread

Compression fitting

## VALVES ARE DESIGNED FOR

Series	Temperature range		Application
	30 - 70°C	35 - 60°C	
VTA310	●	●	 Potable water, in line
VTA310			 Potable water, point of use
VTA310			 Solar heating
VTA310			 Cooling
VTA310			 Floor heating

● recommended ○ secondary alternative

## TECHNICAL DATA

Pressure class: \_\_\_\_\_ PN 10  
 Differential pressure: \_\_\_\_\_ Mixing, max. 0.3 MPa (3 bar)  
 Pressure drop diagram: \_\_\_\_\_ see page 127  
 Media temperature: \_\_\_\_\_ max. 95°C  
 Temperature stability: \_\_\_\_\_ ±2°C\*  
 Connection: \_\_\_\_\_ External thread (G), ISO 228/1  
 \_\_\_\_\_ Compression fitting (CPF), EN 1254-2

\* 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

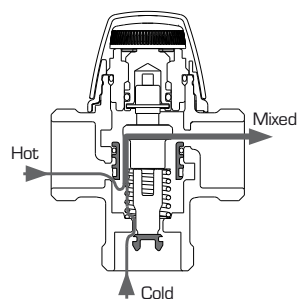
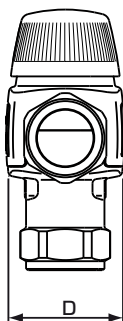
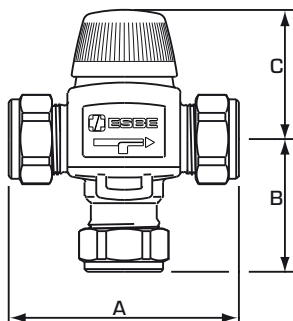
Valve housing and other metal parts with fluid contact:  
 \_\_\_\_\_ Dezincification resistant brass, DZR

PED 97/23/EC, article 3.3

Pressure Equipment in conformity with PED 97/23/EC, article 3.3 (sound engineering practice). According to the directive the equipment shall not carry any CE-mark.

# THERMOSTATIC MIXING VALVE

## SERIES VTA310



VTA310

### ➤ SERIES VTA312, EXTERNAL THREAD

Art. No.	Reference	Temp. range	Kvs *	Connection	A	Dimension B	C	D	Note	Weight [kg]
3105 02 00	VTA312	35 - 60°C	1.2	G 1/2"	70	42	52	46		0.41

### ➤ SERIES VTA313, COMPRESSION FITTING

Art. No.	Reference	Temp. range	Kvs *	Connection	A	Dimension B	C	D	Note	Weight [kg]
3105 01 00	VTA313	35 - 60°C	1.2	CPF 15 mm	86	50	52	46	1)	0.49
3105 03 00			1.5	CPF 18 mm						0.62
3105 04 00				CPF 22 mm					1)	0.57
3105 05 00	VTA313	30 - 70°C	1.5	CPF 22 mm	86	50	52	46	1)	0.62

\* Kvs-value in m<sup>3</sup>/h at a pressure drop of 1 bar. CPF = compression fitting

Note 1) A non-return valve for the cold water is included.