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.



VTA310
External thread



Compression fitting

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.

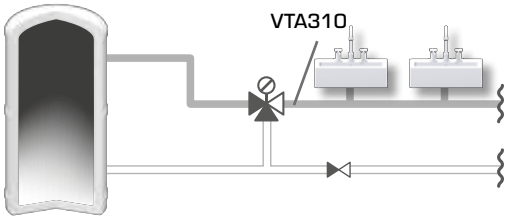
INSTALLATION EXAMPLES

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

VALVES ARE DESIGNED FOR

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

● recommended ○ secondary alternative



TECHNICAL DATA

Pressure class: PN 10
Differential pressure: Mixing, max. 0,3 MPa (3 bar)
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

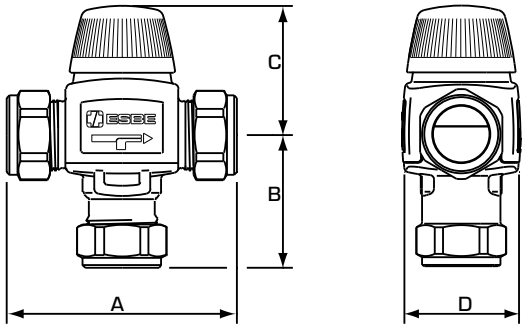
PED 2014/68/EU, article 4.3

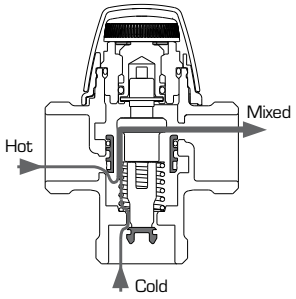
Pressure Equipment in conformity with PED 2014/68/EU, article 4.3 (sound engineering practice). According to the directive the equipment shall not carry any CE mark.

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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THERMOSTATIC MIXING VALVE
SERIES VTA310





VTA310

SERIES VTA312, EXTERNAL THREAD

Art. No.	Reference	Temp. range	Kvs*	Connection	Dimension A	B	C	D	Note	Weight [kg]
31050200	VTA312	35 - 60°C	1,2	G ½"	70	42	52	46		0,41

SERIES VTA313, COMPRESSION FITTING

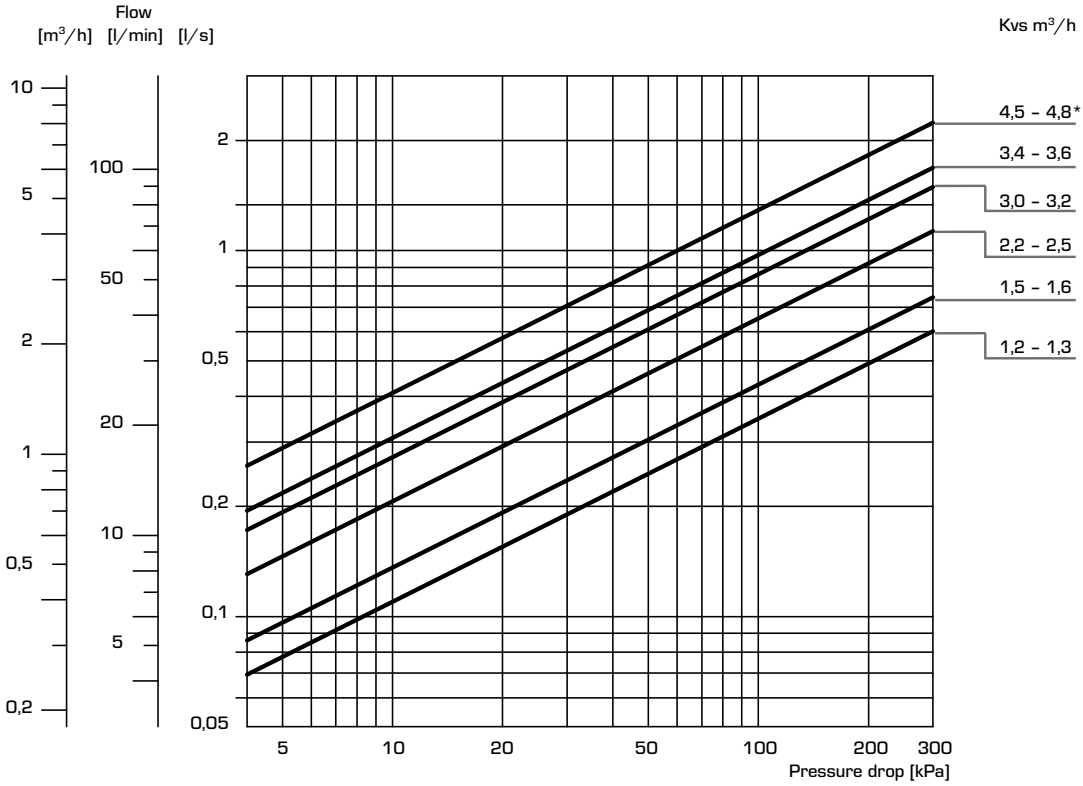
Art. No.	Reference	Temp. range	Kvs*	Connection	Dimension A	B	C	D	Note	Weight [kg]
31050100	VTA313	35 - 60°C	1,2	CPF 15 mm	86	50	52	46	1)	0,49
31050400			1,5	CPF 22 mm					1)	0,57
31050500	VTA313	30 - 70°C	1,5	CPF 22 mm	86	50	52	46	1)	0,62

* Kvs-value in m^3/h at a pressure drop of 1 bar. CPF = compression fitting
Note 1) A non-return valve for the cold water is included.

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THERMOSTATIC MIXING VALVE SERIES VTA310

CAPACITY DIAGRAM



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