



Thermostatic Mixing Valves Series VTA320

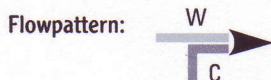
The ESBE thermostatic mixing valves Series VTA320 offer a good function for universal applications, such as domestic hot water regulation with or without HWC (hot-water circulation) and smaller underfloor heating circuits.

Operation

The series VTA320 is the number one choice for domestic hot water systems requiring a scald safe* function and where further temperature-control devices have been installed at the taps. This series of valves is also suitable for domestic hot water installations equipped with HWC (hot-water circulation).

The constant temperature control is another field of application for the series VTA320, making it suitable to be used in smaller underfloor heating applications (up to 50m²).

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.

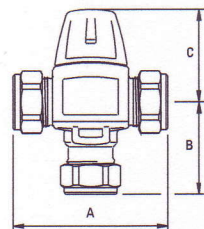
Material

The valve housing and other metal parts with fluid contact:
 DZR brass CW 602N, resistant to dezincification

Technical Data

Pressure class: PN 10
 Max. differential pressure: 3 bar (0.3 MPa)
 Pressure drop diagram: See page 36
 Max. working temperature: 95°C
 Regulation accuracy: Enligt standard*
 Connections: Internal thread, ISO 7/1
 External thread, ISO 228/1

* For those designs that are not comprised by any standard, the accuracy is ±2°C at a minimum flow of 4 l/minutes. For the series VTA320 this is valid at an unchanged pressure of the incoming cold and hot-water.



Art. No.	Reference	Temp. range	DN/Connection	Kvs	Knob/Cover	A	B	C	Weight [kg]
3110 27 00	VTA323*	35–60°C	15 mm cpf	1.2	Cover	86	50	52	0.49
3110 26 00	VTA323*	20–43°C	15 mm cpf	1.2	Cover	86	50	52	0.49
3110 39 00	VTA323	35–60°C	18 mm cpf	1.5	Cover	86	50	52	0.66
3110 02 00	VTA323*	35–60°C	22 mm cpf	1.5	Cover	86	50	52	0.57
3110 01 00	VTA323*	20–43°C	22 mm cpf	1.5	Cover	86	50	52	0.57
3110 04 00	VTA321	35–60°C	Rp 1/2	1.5	Cover	70	42	52	0.45
3110 03 00	VTA321	20–43°C	Rp 1/2	1.5	Cover	70	42	52	0.45
3110 08 00	VTA321	35–60°C	Rp 3/4	1.6	Cover	70	42	52	0.48
3110 07 00	VTA321	20–43°C	Rp 3/4	1.6	Cover	70	42	52	0.48
3110 29 00	VTA322	35–60°C	G 1/2	1.2	Cover	70	42	52	0.41
3110 28 00	VTA322	20–43°C	G 1/2	1.2	Cover	70	42	52	0.41
3110 06 00	VTA322	35–60°C	G 3/4	1.5	Cover	70	42	52	0.45
3110 05 00	VTA322	20–43°C	G 3/4	1.5	Cover	70	42	52	0.45
3110 10 00	VTA322	35–60°C	G 1	1.6	Cover	70	42	52	0.48
3110 09 00	VTA322	20–43°C	G 1	1.6	Cover	70	42	52	0.48

* A non-return valve for the cold water pipe is included. cpf = compression fitting