



TECHNICAL SPECIFICATION

VTF320 PHW-C

1 – (3)

Utfärdare-Issuer KKA	Granskad-reviewed	Fastställd-Authorized	Datum-Date 2020-03-25	Revision A
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Revision	Date	Author	Change/Comments
A	2020-03-25	KKA	Additional information about the functions...

TECHNICAL DATA

The Circulation Unit, In General:

- Pressure class: PN10
- Media temperature: max. +95°C (100°C) / min. 0°C
- Closing pressure: 600kPa (6bar)
- Operating dynamic ΔP : max 300kPa (3bar)
- Closing temperature accuracy: +3/-1°C
- Connections: external thread (G), ISO228/1
- Media: potable hot water

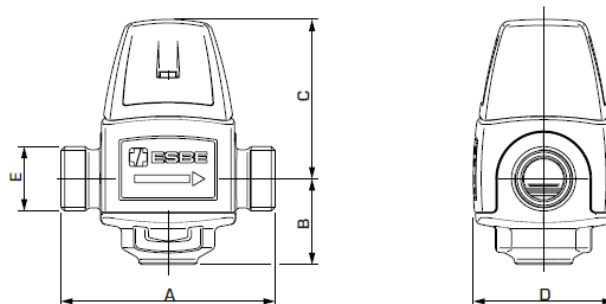
Material In Contact With Water:

- Components of brass CE625N DZR,

Conformities And Certificates:

- PED 2014/68/EU, art. 4,3
- Declaration of conformity (CE)

DIMENSIONS



Art. No.	Reference	Closing temp.	Kvs	Connection	Dimension				Weight (kg)
					E	A	B	C	
31220300	VTF322	55°C	1,8	G 3/4"	70	28	52	46	0,45



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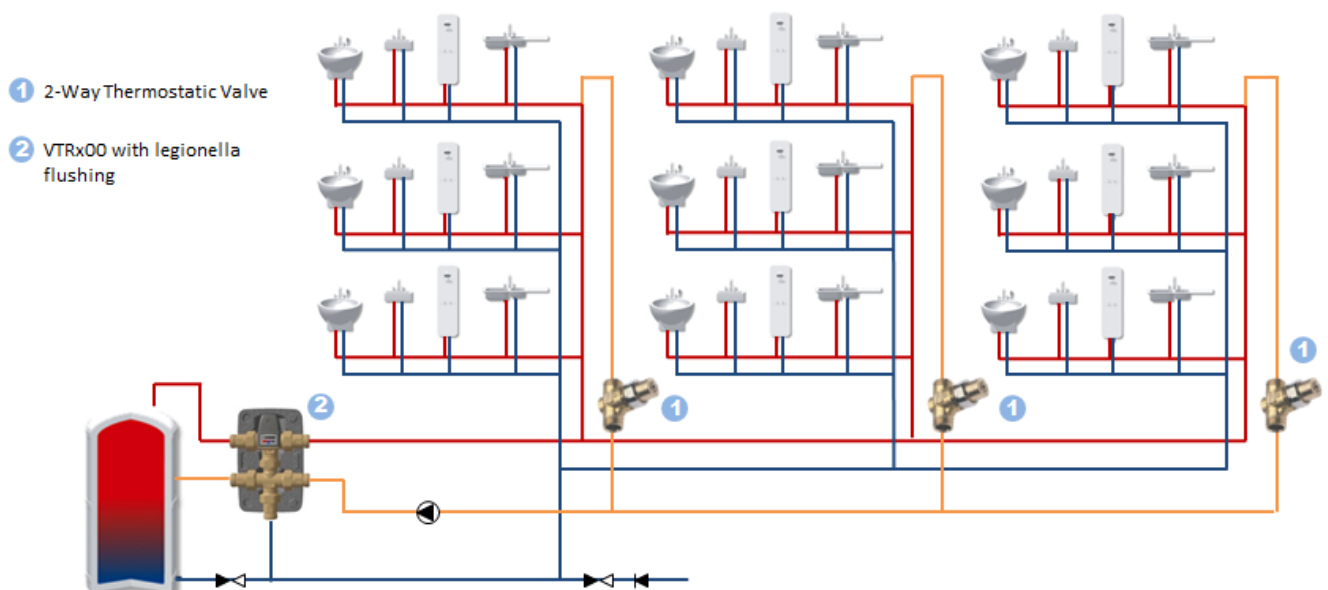
PRODUCT DESCRIPTION



The VTF320 Series is a 2-way thermostatic valve dedicated for potable hot water circulation applications. The valve secures the right temperature in the circulation pipes of the PHW systems allowing prevention against legionella and decrease the energy losses in the system thanks to shutting off the water flow in loops which have reached temperature of 55°C.

The valve is 2-way with kvs 1,8. Connections are G $\frac{3}{4}$ " external thread with shut off temperature of 55°C which is demanded by legal standards for PHW-C systems. The Series VTF320 are not delivered with adjustable temperature setting due to the legal standards which are clearly stating which temperature in the system should be kept. This also prevents customers against unwanted temperature changes.

FUNCTION DESCRIPTION / APPLICATION





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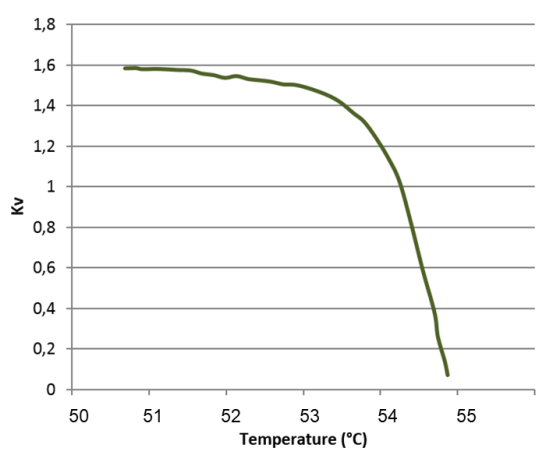
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2-Way Thermostatic Valves are used in potable hot water (PHW) systems with circulation. The valves are installed on circulation pipes on each circulation circuit. They are used to decrease or shut-off the flow if the certain temperature of the domestic hot water is reached. 2-Way Thermostatic Valves gives the benefits of energy savings:

- production of the PHW – the PHW tank is not cooling down constantly
- distribution of the PHW – the PHW flow rate is reduce every time each circulation circuit reached set temperature
- low heat loss – no constant flow rate through the system (circulation circuit), the flow rate is reducing every time each circulation circuit reached set temperature.



On following chart, we see the valve behaviour depending from the temperature. In case of the increase of the PHW-C temperature the valve starts to limit the flow till its closed. When the system starts to cool down the valve is opening.