



Thermia WT-V 500 FC



WT-V 500 FC

Volume tank especially designed for heat pumps

Thermia WT-V 500 FC is a 500-litre front-connected volume tank especially designed for heat pump operation. It can be used for volume boost, flow equalization and reducing potential clicking in the heating system.

The WT-V 500 FC consists of an insulated steel container with either four or six different connection options, depending on the model. This makes it very easy to customize to different types of heating systems. It also has sockets for connecting an immersion heater.

The FC version has all connections on the front and the unit is easier to transport and install. The boiler can be made narrower and easier to handle by simply removing the insulation.

A 6-bar variant of the WT-V 500 FC makes possible to use it in buildings where a higher working pressure is required. Moreover, both the 3-bar and 6-bar variants are available in a DN 80 version, with 4 DN 80 connections for applications where a larger flow is required.

The Thermia series includes the following volume tanks: WT-V 100, WT-V 200, WT-V 300, WT-V 500, WT-V 750, WT-V 1000 - as well as WT-V 500 FC, WT-V 750 FC and WT-V 1000 FC. The product names refer to the tank volume in liters.



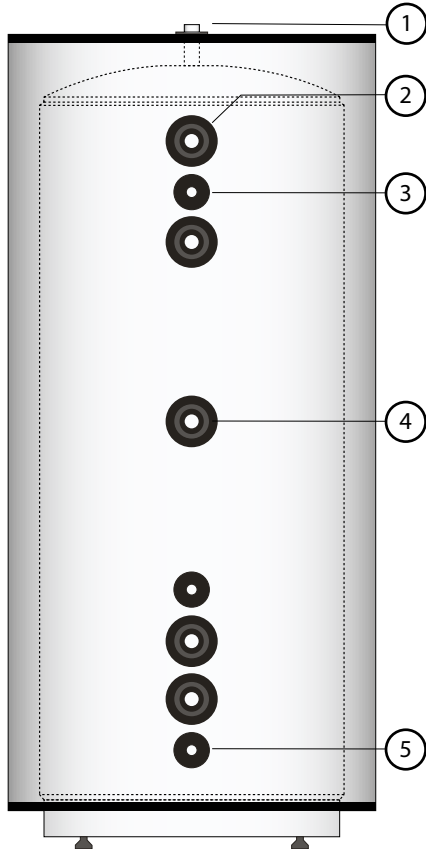
WT-V 500 FC DN80



Technical data WT-V 500 FC

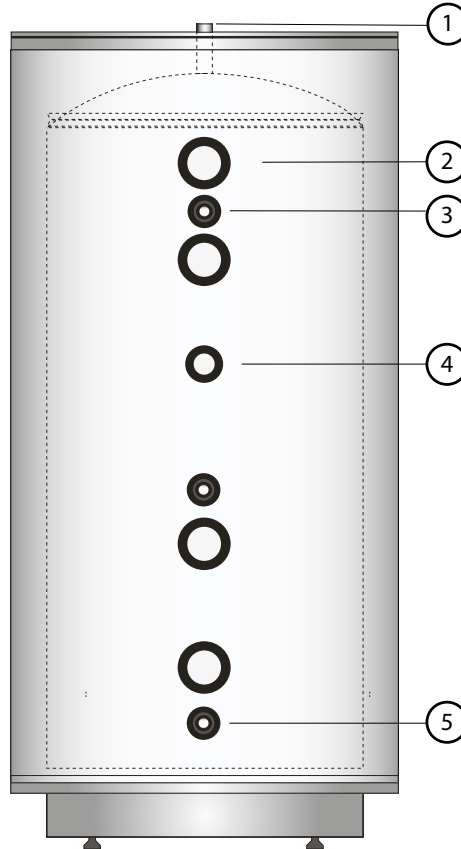
Connections WT-V 500 FC

- 1 Expansion/Venting, (DN32 ext.)
- 2 Connections (DN50 x4)
- 3 Temperature sensor conn. (DN20 x2)
- 4 Immersion heater conn. (DN50 int. x1)
- 5 Drain/temperature sensor (DN20)



Connections WT-V 500 FC DN80

- 1 Expansion/Venting, (DN32 ext.)
- 2 Connections (DN80 x4)
- 3 Temperature sensor conn. (DN20 x2)
- 4 Immersion heater conn. (DN50 int. x1)
- 5 Drain/temperature sensor (DN20)



	WT-V 500 FC			
	3 bar	6 bar	DN80 (3Bar)	DN80 (6Bar)
Storage volume V (litres)	477	503	477	503
Test pressure	4,3	8,6	4,3	8,6
Working pressure	3	6	3	6
Max. temperature (°C)	100	100	100	100
Standing loss S ¹	104	104	104	104
Energy efficiency class	C	C	C	C
Height (mm)	1765	1788	1765	1788
Diameter ² (mm)	840	840	840	840
Diameter ² without insulation (mm)	640	650	640	650
Weight (kg)	94	117	97	120

1) According to EN 12897:2016 ; 2) Stated dimensions exclude pipe connections.

Minimum ceiling height for maneuvering and tipping: 1900 mm

More information can be found in the separate installation guide.