

PS 50 ZC Thermal Store

	Main Features	
	Application	Wall-hung thermal store is designed for storing and subsequent distribution of heat/cold. It is suitable as a buffer tank for inverter heat pumps to ensure sufficient water volume during evaporator defrosting. The tank has four connections to connect sources of heat/cold and a heating/cooling system. It comes with vapour-proof non-detachable insulation and parts for hanging the tank on a wall.
	Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1)
	Thermal store code	21717

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	B
Static loss	30 W
Storage volume	51 l

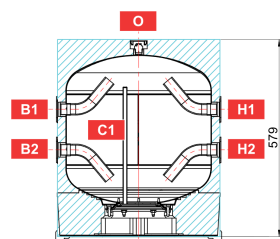
Technical data	
Total thermal store volume	51 l
Fluid volume in thermal store	51 l
Max. working temperature in thermal store	95 °C
Min. working temperature in thermal store	5 °C
Max. working pressure in thermal store	4 bar
Thermal store diameter with insulation	480 mm
Thermal store overall height with insulation	579 mm
Thermal store perimeter insulation thickness	25 mm
Thermal store bottom insulation thickness	25 mm
Thermal store top insulation thickness	25 mm
Empty weight without insulation	38 kg

Materials	
Thermal store material	steel
Thermal store perimeter insulation	PU foam
Thermal store outer surface insulation	sheet metal
Top and bottom thermal store insulation	PU foam

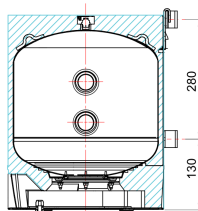
Insulation thermal conductivity $\lambda \leq 0.037 \text{ W/mK}$, thermal resistance (short/long term) 150/100 °C, fire class E.

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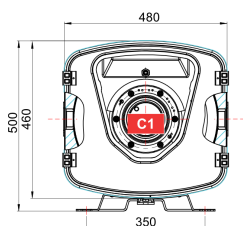
Dimensions



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CONNECTIONS

pos.	description	connection	height [mm]
Heat sources			
B1	Supply from heat source	G 1" F	374
B2	Return to heat source	G 1" F	255
Heating system			
H1	Flow to heating system	G 1" F	374
H2	Return from heating system	G 1" F	255
Control and safety			
C1	Temperature sensor	9 mm	85
O	Air discharge	G 1/2" F	555