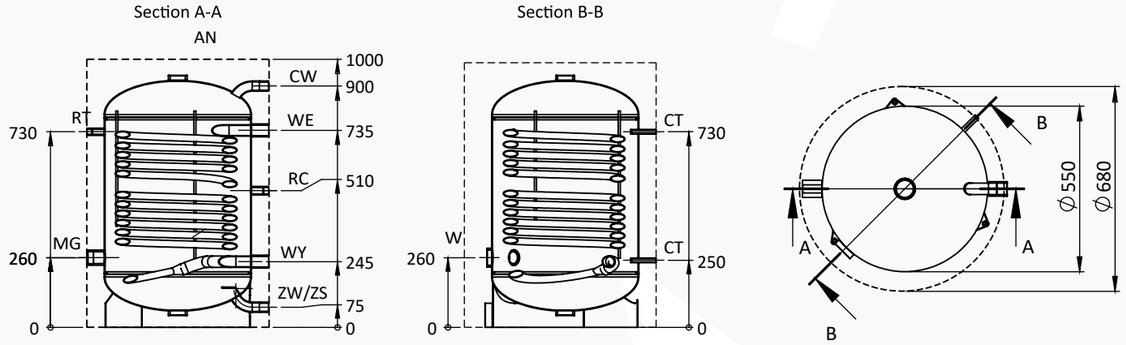
NØRDIS NWT-S

DOMESTIC HOT WATER TANK FOR HEAT PUMP

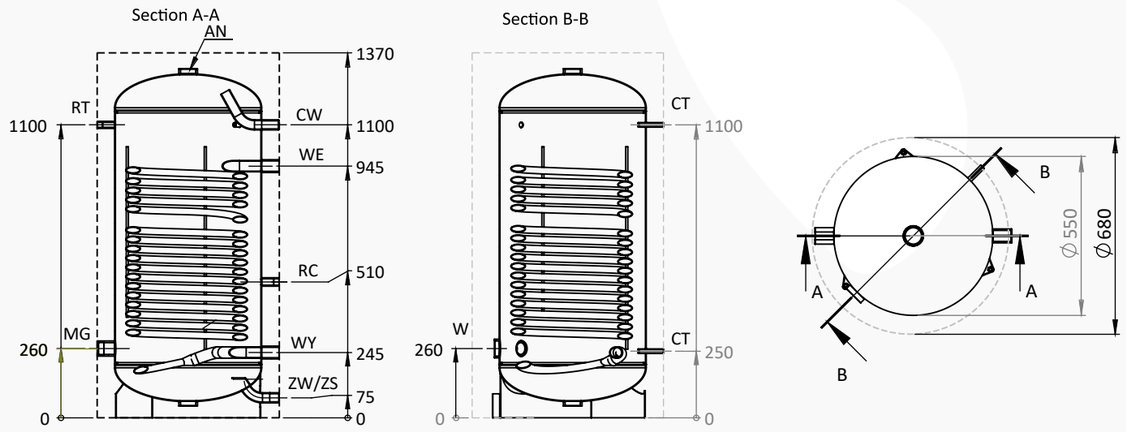


NWT-S type DHW tanks are designed for heating and storing domestic hot water, in conjunction with low-temperature water central heating boilers and, above all, heat pumps.

Construction of NWT-200S DHW tank



Construction of NWT-300S DHW tank



Dimensions of the connections NWT-S		
Hot domestic water	CW	G 1"
Cold domestic water	ZW	G 1"
Coil supply	WE	G 1 ¼"
Coil return	WY	G 1 ¼"
Circulation	RC	G ¾"
Temperature sensor (closed)	CT	⅜"
Electric heater sleeve	MG	G 1 ½"
Thermometer sleeve	RT	G ½"
Drain	ZS	G 1"
Cleanout	W	G 2"
Magnesium anode	AN	G 2"

Model	Unit	NWT-200S	NWT-300S
Energy Class		B	B
Effective tank volume	l	180	270
Total tank volume	l	200	300
Heat exchanger surface area	m^2	2	3
Heat exchanger volume	l	12,5	18,7
DHW efficiency* 80/10/45°C 70/10/45°C 60/10/45°C 55/10/45°C 45/10/40°C"	l/h	 1302 929 558 373 218"	 1958 1398 840 558 327"
DHW efficiency* 80/10/60°C 70/10/60°C"	l/h	 521 261	 784 392
Heating power* 80/10/45°C 70/10/45°C 60/10/45°C 55/10/45°C 45/10/40°C"	kW	 53,0 37,8 22,7 15,2 7,6	 79,7 56,9 34,2 22,7 11,4
Heating power* 80/10/60°C 70/10/60°C"	kW	 30,3 15,2	 45,6 22,8
Pressure loss	mbar	20	30
DHW tank operating parameters: Maximum operating pressure Maximum operating temperature		0,6 MPa 85°C	
Heating medium parameters: Maximum operating pressure Maximum operating temperature		1,0 MPa 100°C	
DHW tank material - steel covered with ceramic enamel inside		+	
External cover - faux leather		+	
Thermal insulation - polystyrene foam		+	
Thermal insulation thickness	mm	65	
Standby losses **	W	47	64
Netto weight	kg	104	134
Dimensions	mm	Ø680x1000	Ø680x1370

* 80°C, 70°C, 60°C, 55°C, 45°C – heating water temperature at the inlet to the coil
10°C – domestic water supply temperature
60°C, 45°C, 40°C – domestic hot water temperature
** in accordance with the applicable EU Commission Regulation No. 812/2013 and 814/2013