

Dalatanken

ACCUMULATOR / STORAGE TANK FOR
WOOD • PELLETS • SOLAR • HEAT PUMPS • OIL • GAS

Dalatanken
creates a
flexible
accumulation



Dalatanken

with two hot water coils and one solar coil

Dalatanken has a unique design with optimal placement of the hot water and solar coils.

The placement of the coils is based on research from the SERC Institute.

The high effective insulation is of 90 mm polyurethane with flame-protection. The insulation is covered with stucco aluminium plate, that gives a strong and robust surface. The top cover is of flame-protected ABS.

Dalatanken with high effective insulation is available in the volumes 500, 750 and 950 litres as standard. Uninsulated tanks can be supplied up to 7000 litres.

- The coil length is 24 m for hot water.
- All coils are upright for the best efficiency.
- The solar coil length is 12 m and designed to utilize maximum solar energy flow.
- The upper hot water coil is mounted on the top to give as high output temperature as possible.
- The lower hot water coil is for pre-heating the hot water. The position in the tank bottom creates a cooler environment for the solar coil, thus maximizing the efficiency of the solar panels.
- A diffuser on the radiator return is used for minimizing the mixing between cold and hot water and to maintain the stratification in the tank.
- The tank is insulated with 90 mm moulded, flame-protected polyurethane in two halves for easy installation, mounting and demounting.
- Colours:
Red or blue halves.
Black top cover.

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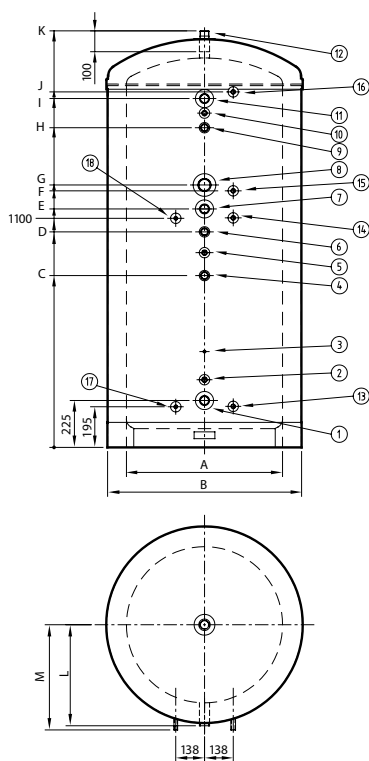
Connections on the Dalatanken

The connections on the Dalatanken are as few as possible, giving minimal energy losses. The connections are placed for the most common needs. The tank can on request be factory-fitted with further connections at optional positions.

The hot water and solar coils are finned copper tubes, specially used for heat transfer between liquids. The copper coils have plain connection ends; outer diameter 22 mm for the hot water coils, 18 mm for the solar coil. The coils are finned to increase the heat exchange area.

The heat exchange area on each hot water coil is 3 m², which gives a total area of 6 m². The solar coil heat exchange area is 2,4 m².

Dimensions



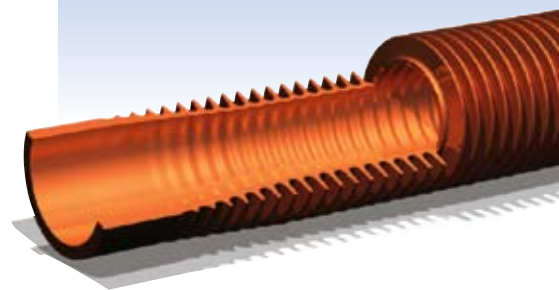
1. Load return.....DN32
2. Thermometer connection....DN15
3. Solar sensor connectionØ14/8
4. From radiators, diffuserDN25
5. Thermometer connection....DN15
6. Load return.....DN25
7. Loading.....DN32
8. Electric heater.....DN50
9. Loading.....DN25
10. Thermometer connection....DN15
11. To radiators/loading.....DN32
12. Loading/safety valve.....DN32
13. Cold water inlet.....Ø22/18
14. Hot water connectionØ22/18
15. Hot water connectionØ22/18
16. Hot water outputØ22/18
17. Solar out.....Ø18/14,5
18. Solar in.....Ø18/14,5

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
500-3	Ø600	Ø780	825	1035	1145	1230	1260	1535	1675	1705	1970	410	430
750-3	Ø750	Ø930	825	1035	1145	1230	1260	1535	1675	1705	2000	485	505
950-3	Ø750	Ø930	825	1245	1355	1650	1680	1955	2095	2125	2420	485	505
				500-3	750-3	950-3							
Volume, l				500	750	950							
Weight, kg				160	190	210							
Max. pressure, bar				1.5	1.5	1.5							
Max. temperature, °C				100	100	100							

Distributor:

Technical data

Volume	500, 750, 950 litres
Working pressure	1.5 bar
Max. working temp.	100 °C
Material	Steel P235GH
Hot water coil	2x12 m, Ø 22 mm, copper
Solar energy coil	1x12 m, Ø 18 mm, copper
Capacity	Heats approx. 32 l/min tap water to 45 °C at an accumulator temperature of 70°C



The total heat exchange area on the Dalatanken hot water coils is 6 m², which gives optimal heat transfer



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