

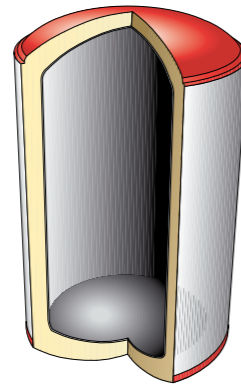
# Akvaterm – the essence of heating



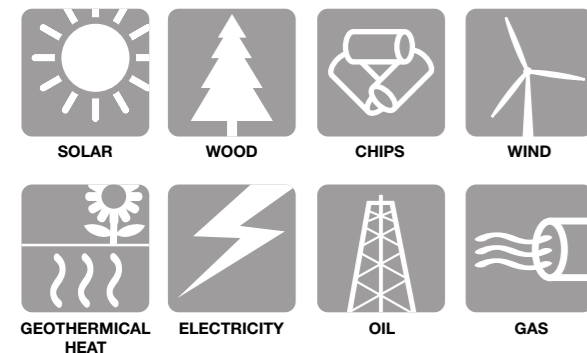
Hot water is a basic prerequisite for practical and comfortable living. An essential feature of modern and energy-saving heating technologies for houses and buildings is the accumulation of heat and its transfer through water.

Thanks to water's high heat retention capacity, the connection

of an Akvaterm accumulator tank to the heating system significantly raises the utilisation efficiency, lowers energy costs and reduced environmental emissions.



AKVA models' seamless 100mm polyurethane insulation minimizes heat losses.



The use of an Akvaterm

accumulator tank is independent of the heating system or energy source.

Besides the solar, wood, chips, wind or geothermal heat,

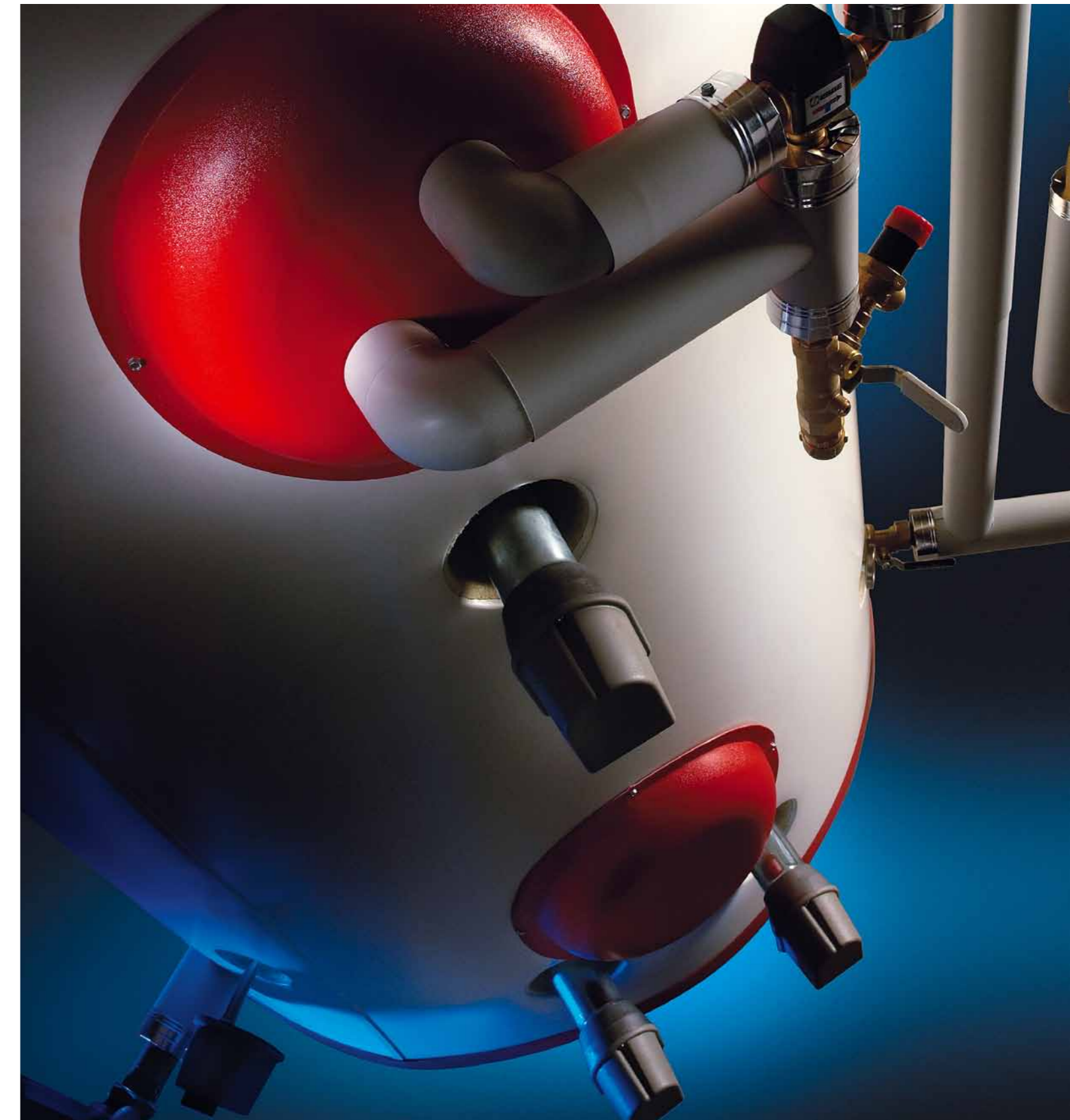
the heating source can be traditional

electricity, oil or gas heating, or their combinations. If required, energy sources can be modified or the heating system can be supplemented.

Akvaterm is part of an entity that facilitates the production of pleasant and balanced heating for living, as well as domestic hot water, with the same system.



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Warm home

# Heating made to measure

Akvaterm represents the modern ecologic heating technologies enabling the most efficient energy production storing the heat and distributing constant steady heat as needed for pleasant living. The Akvaterm accumulator tank is suitable for use with many different heating sources, regardless of the heating system or fuel.

The capacities of standard Akvaterm hot water accumulator tank models for houses and buildings range from 300 litres to 10 000 litres. Akvaterm also produces renovation accumulator tanks for upgrade and renovation projects as well as special accumulator tanks whose capacity, couplings and hot water coils are manufactured according to the customer's requirements.



## AKVA Standard Accumulator Tank

Capacity 300-10 000 litres. The insulation is 100 mm seamless polyurethane faced with steel sheet. Detachable side panels are also an option. An uninsulated accumulator tank coated with corrosion protection paint can also be delivered. The upper hatch has a standard hot water coil. A domestic hot water pre-heating coil, a solar heating coil and other

coils can be placed in the lower hatch. There are 2" couplings for the electrical resistors located at center and bottom of the tank. Built-in guide pipes ensure the proper layering of heat. Standard domestic hot water coil size LK35. Standard pressure class 1.5 bar. Other available pressure classes 3, 4 and 6 bar.

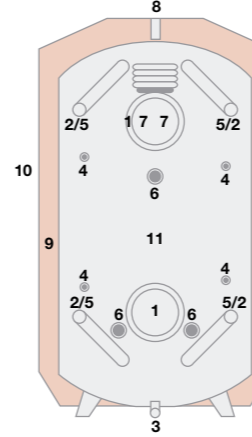
MODEL	DIAMETER mm	HEIGHT mm	WEIGHT kg	CONNECTIONS SIZE (ID 2/5)	RESISTOR COUPLINGS
AKVA 300 EK	710	2050	130	1 1/4 "	2
AKVA 500 EK	800	2050	155	1 1/4 "	2
AKVA 750 EK	950	2050	200	1 1/4 "	2
AKVA 1000 EK	1050	2100	230	1 1/4 "	2
AKVA 1500 EK	1250	2150	280	1 1/4 "	3
AKVA 2000 EK	1400	2200	330	1 1/4 "	4
AKVA 2500 EK	1500	2250	360	1 1/4 "	4
AKVA 3000 EK	1600	2300	400	1 1/4 "	4
AKVA 4000 EK	1800	2450	480	1 1/4 "	6
AKVA 5000 EK	2000	2500	600	2 "	6
AKVA 6000 EK	2150	2500	750	2 "	6
AKVA 7500 EK	2150	3000	900	2 "	6
AKVA 10000 EK	2150	3800	1100	2 "	6

EK = isolated and with one coil E = isolated  
Diameter 200 mm smaller without insulation



AKVA 1500 EK

- Hatch (2 pcs) ..... ø 200 mm
- Heating Circuit Coupling + Guide Pipe..... 1 1/4 " or 2 " See table above
- Drain Coupling..... 1 "
- Thermometer/Thermostat Coupling (4 pcs)..... 3/4 "
- Tank Coupling + Guide Pipe ..... 1 1/4 " or 2 " See table above
- Electrical Resistor Coupling (2-6 pcs) ..... 2 "
- Domestic Hot Water Coil .....LK35 Couplings .....3/4 "
- Pressure Relief / Air Bleeder Coupling..... 1 "
- Polyurethane Insulation..... 100 mm
- Coating, Coated Galvanised Steel Sheet ..... 0,5 mm
- Tank: standard structural pressure..... 1,5 bar maximum temperature ..... +110 °C



## AKVASAN Renovation Accumulator Tank

Developed for constrained spaces and narrow openings, this model's diameter is only 810 mm. The AKVASAN 0,5 series is particularly compact; the advantages of the efficient cylinder format have been retained. The insulation is the same as in the standard accumulator tanks, but its thickness is 50 mm due to the smaller surface area.

The EK models are equipped with a domestic hot water coil and resistor couplings. The EK model combined with the E model make an ideal pair for sites, which have restricted access.

MODEL	DIAMETER mm	HEIGHT mm	WEIGHT kg	RESISTOR COUPLINGS
AKVASAN 0,5 EK	810	1550	130	2
AKVASAN 0,5 E	810	1550	120	1
AKVASAN 0,7 EK	810	2050	160	2
AKVASAN 0,7 E	810	2050	150	1

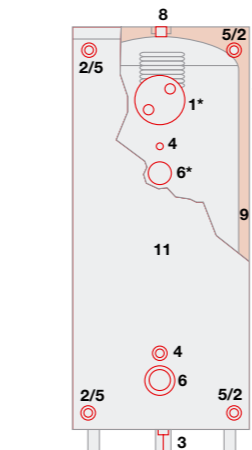
EK = isolated and with one coil E = isolated



AKVASAN 0,7 EK

AKVASAN 0,7 E

- Hatch \* ..... ø 200 mm
- Heating Circuit Coupling + Guide Pipe..... 1 1/4 "
- Drain Coupling..... 1 "
- Thermometer/Thermostat Coupling ..... 3/4 "
- Tank Coupling + Guide Pipe ..... 1 1/4 "
- Electrical Resistor Coupling ..... 2 "
- Domestic Hot Water Coil .....LK35 Couplings .....3/4 "
- Pressure Relief / Air Bleeder Coupling..... 1 "
- Polyurethane Insulation..... 50 mm
- Coating, Coated Galvanised Steel Sheet ..... 0,5 mm
- Tank: standard structural pressure..... 3 bar maximum temperature ..... +110 °C



\* Available only in AKVASAN EK -model.

## AKVANTTI Oval Accumulator Tank

For new construction and renovations. Capacities 1400 litres, 2000 litres and 2400 litres. Standard coil size LK45, also available without a domestic hot water coil. The depth is only 810 mm. Available pressure classes 1.5 and 3 bar.

MODEL	HEIGHT/WIDTH mm	DEPTH mm	WEIGHT kg	RESISTOR COUPLINGS
AKVANTTI 1400 EK	1660/1630	810	420	3
AKVANTTI 1400 E	1660/1630	810	410	3
AKVANTTI 2000 EK	1840/2060	810	500	4
AKVANTTI 2000 E	1840/2060	810	490	4
AKVANTTI 2400 EK	2160/2060	810	560	4
AKVANTTI 2400 E	2160/2060	810	550	4

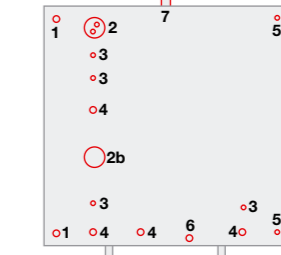
EK = isolated and with one coil E = isolated



AKVANTTI 2000 EK

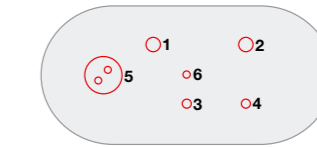


AKVANTTI 1400 EK



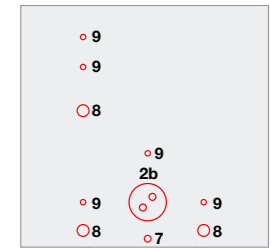
### AKVANTTI 2000 EK, 2400 EK, PIPE CONNECTIONS FROM SIDE:

- Tank Coupling ..... 2 "
- Domestic Hot Water Coil..... LK45 Couplings ..... 3/4 "
- 2b. Connection for Second Coil
- Thermometer/Thermostat Coupling ..... 3/4 "
- Electrical Resistor Coupling (4 pcs) ..... 2 "
- Heating Circuit Coupling ..... 1 1/4 "
- Drain Coupling..... 1 "
- Air Bleeder Coupling..... 1 "



### AKVANTTI 1400 EK, CONNECTIONS FROM TOP:

- Entry from Boiler ..... 2 "
- Return to Boiler..... 2 "
- Exit to Heating Circuit ..... 1 1/4 "
- Return from Heating Circuit..... 1 1/4 "
- Domestic Hot Water Coil..... LK45 Couplings ..... 3/4 "
- Air Bleeder Coupling..... 1 "



### AKVANTTI 1400 EK, PIPE CONNECTIONS FROM SIDE:

- 2b. Connection for Second Coil
- Drain Coupling ..... 1 "
- Electrical Resistor Coupling (3 pcs)..... 2 "
- Thermostat Coupling/Thermometer Coupling ..... 3/4 "

## Custom Made Accumulator Tanks

Tailored according to customers specification. The capacity, outer dimensions, hatches, couplings, baffle plate and heat exchanger coils adaptable. Available pressure classes 3, 4, 6 and 10 bars.



## AKVA Pro

Cold storage tanks, such as those made with stainless steel, are tailored for our customers according to the functional application. Storage tanks and pressure vessels can be used as storage unit for various raw materials, as cold storages, equalising tanks, in recovery systems, and for other purposes. All necessary additional accessories, such as extra hatches, couplings, coils, mounting brackets etc. are included when ordering the aforementioned tanks.



## Accessories

Following accessories available from factory.

- Immersion heaters with integrated temperature control and over-temperature cut-out unit
- House Heating Controllers
- Control valves
- Charging units for solid fuel boilers
- Other products

## AKVA Heat Exchanger Coils

A variety of coils for different heating and cooling solutions available. Standard coils are manufactured by using high quality finned copper tubes. Stainless steel and nickel copper coils available for special solutions. Maximum structural pressure 10 bars.



MODEL	CAPACITY kw	DIAMETER mm	LENGTH mm	COUPLING R" male
AKVA LK 35	50-120	160	750	3/4
AKVA LK 45	60-160	160	950	3/4
AKVA LK 60	80-250	160	1250	1
AKVA LK 80	100-350	250	900	1 1/4
AKVA LK 100	120-450	300	1000	1 1/2
AKVA LK 120	140-550	300	1100	2
AKVA LK 140	160-650	300	1200	2
AKVA LK 160	180-750	300	1300	2
AKVA LK 180	200-850	300	1400	2
AKVA LK 200	220-950	300	1500	2
AKVA LK 220	240-1050	300	1600	2