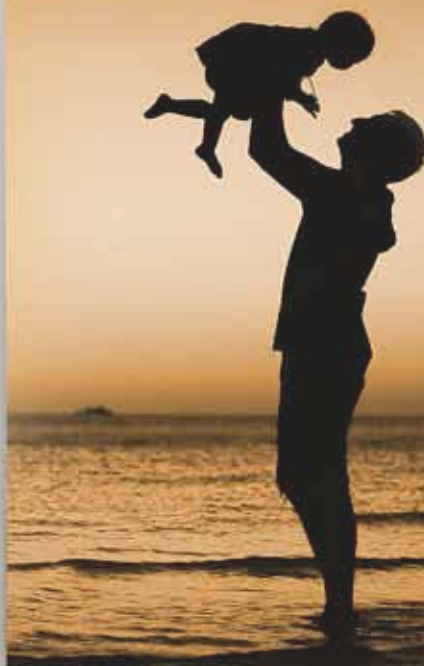


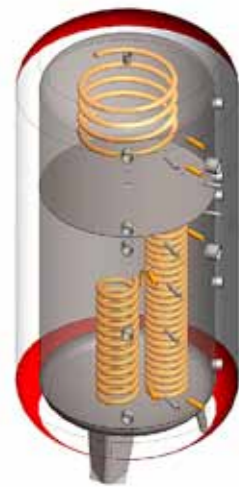
 **AKVATERM**



AKVA GEO
Invest in the future

AKVA GEO is suited to all heat sources

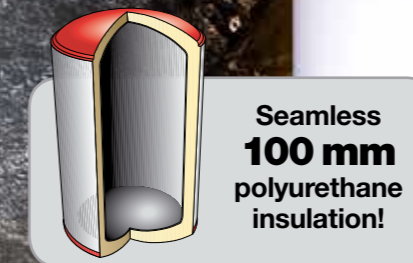
With the AKVA GEO you can utilize your heat pumps to all heat demand improving their efficiency. They enable combining heatpumps with renewable heat sources enabling the best output. The model range varies between 300 and 5,000 litres and it comes with the high grade seamless polyurethane familiar from all Akvaterm models. Each AKVA GEO has two domestic hot water coils built in as a default two water coils to improve your coefficient consuming always initially the lower grade heat.



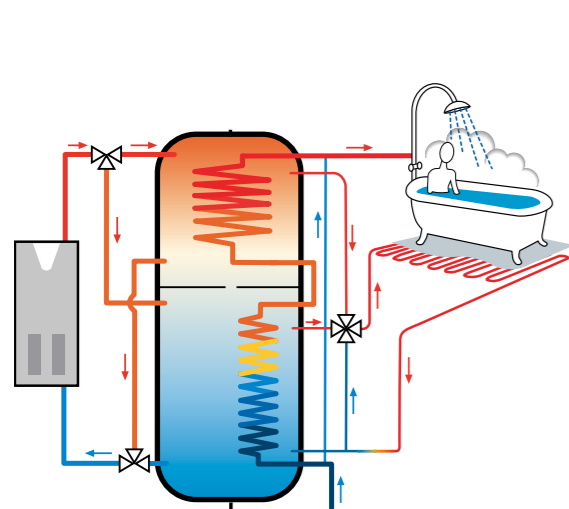
- An accumulator tank developed for the needs of heat pump customers (heating and hot household water).
- The next-generation, efficiency, two-layer structure supplies plenty of hot household water as the lower buffer area provides preheat to DHW and the energy required by the heating system.
- Versatile customizability and suitability for all heat sources.

AKVA GEO

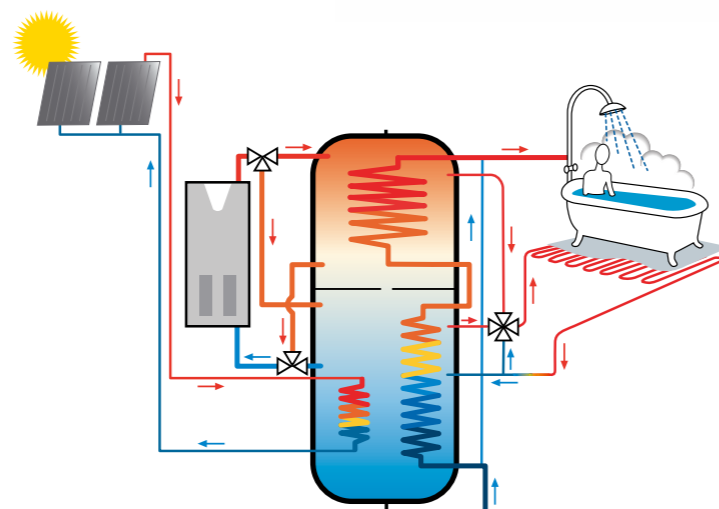
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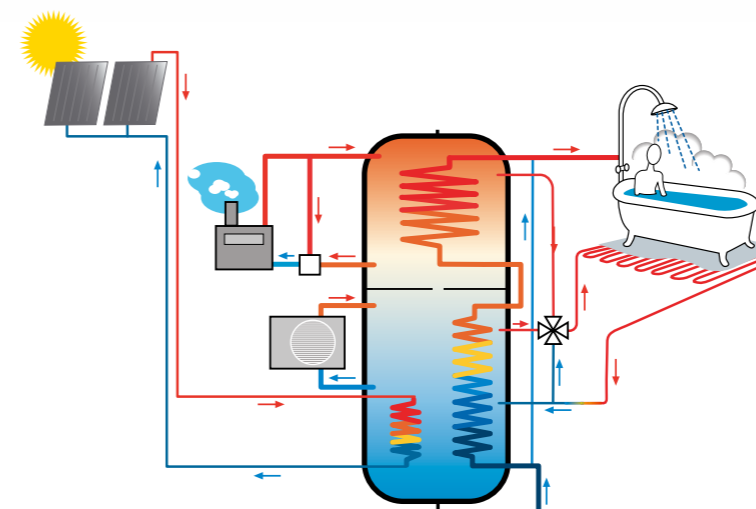
Application examples, not to be used as a connection diagram as such.



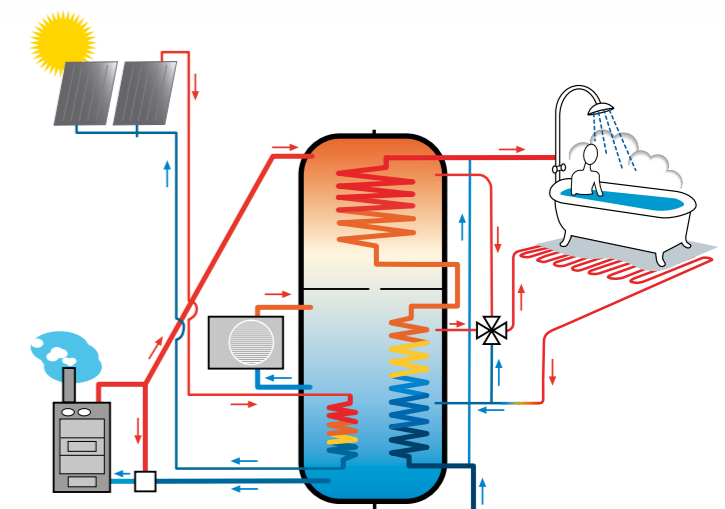
AKVA GEO with a heat pump.



AKVA GEO SOLAR with a heat pump and solar collectors.



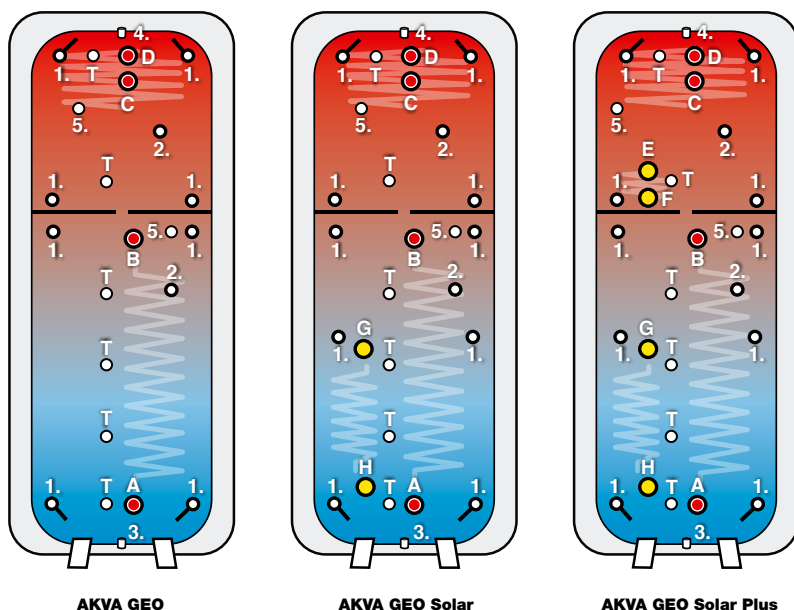
AKVA GEO SOLAR with an air-source heat pump, solar collectors, and a hot-water fireplace



AKVA GEO SOLAR with an air-source heat pump, solar collectors, and a wood-fired boiler

AKVA GEO

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COUPLINGS

1.	1 1/4 "	Accumulator coupling
2.	2"	Electric heater coupling
3.	1"	Drain coupling
4.	1"	Pressure relief / Air bleeder
5.	3/4 "	Thermostat coupling
T.	10 mm inner diameter coupling (no through-connection) Sensor and measurement pocket	

COILS

A.	Ø22	Household water preheating, in
B.	Ø22	Household water preheating, out
C.	Ø22	Household water, in
D.	Ø22	Household water, out
E.	Ø18	Solar, in (PLUS)
F.	Ø18	Solar, out (PLUS)
G.	Ø18	Solar, in
H.	Ø18	Solar, out

- Household water coil (upper) 12.2 m Ø 22 mm Cu (LK45)
- Household water preheating coil (lower) 9.4 m Ø 22 mm Cu (LK35)
- Solar coil 6 m or 12 m (Ø 18 mm Cu)
- The sizes of all coils can be modified according to the application

MODEL	DIAMETER, mm	HEIGHT, mm	WEIGHT, kg	RESISTOR COUPLING
AKVA GEO 300*	650	2050	150	2
AKVA GEO 500	800	2050	170	2
AKVA GEO 750	950	2050	200	2
AKVA GEO 1000	1050	2100	230	2
AKVA GEO 1200	1150	2150	250	2
AKVA GEO 1500	1250	2150	280	2
AKVA GEO 2000	1400	2200	330	3
AKVA GEO 2500	1500	2250	360	3
AKVA GEO 3000	1600	2300	400	3
AKVA GEO 4000	1800	2450	480	4
AKVA GEO 5000	2000	2500	600	4

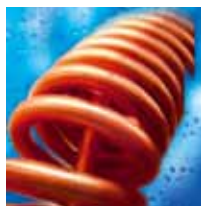
- Structural pressure 1.5 ; 3 ; 4 or 6 bar
* Thickness of the polyurethane insulation is 70 mm

- LK60 and larger coils are installed through hatch.
- The AKVA GEO Solar Plus includes: Extra solar coil 6 m (Ø18mm finned copper) and the SOLAR PLUS valve.

MODEL	DIAMETER, mm	HEIGHT, mm	WEIGHT, kg	RESISTOR COUPLING
AKVASAN GEO 0,5	810	1550	150	2
AKVASAN GEO 0,7	810	2050	180	2

- Insulation 50 mm
- Available also with separate blocks (diameter 710 mm)

- Household water couplings NS15 internal thread and NS20 external thread
- Not available with the Solar Plus accessories
- Structural pressure 3 bar



Warm home

Akvaterm is the leading European manufacturer of accumulator and cold water tanks. The accumulator tanks, cold water and special tanks developed by the company are the quality leaders in Northern Europe as well as internationally. Solutions for large- and small-scale projects, as well as new construction and renovations, can be found from Akvaterm's extensive range of models. Akvaterm accumulator tanks are compatible with all established heating systems and they can generate heat for the heating system as well as hot domestic water simultaneously.



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