



AKVATERM

Catalogue

KVA Akvantti
Nero Geo S
Pro Solar Al
Akvantti Ego

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ISO 9001
ISO 3834-2
ISO 14001



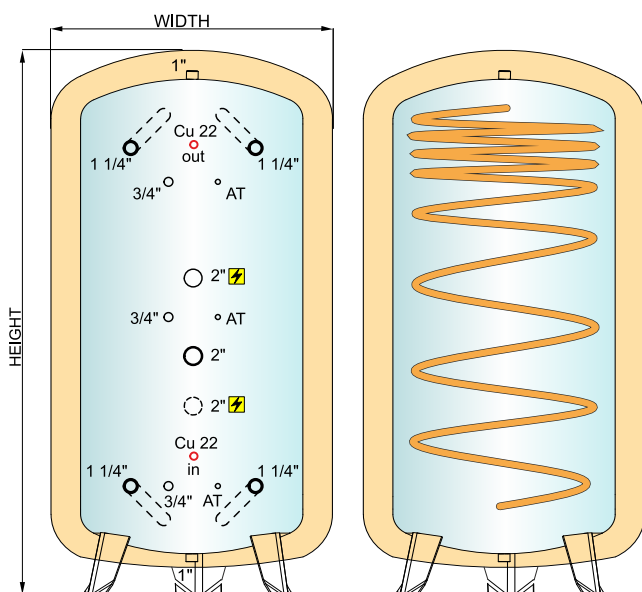
AKVA NERO ACCUMULATORS

The Akvaterm NERO accumulator range was developed in response to increasingly strict environmental energy efficiency standards.

Superb insulating capacity is ensured by seamless high quality polyurethane insulation material and solutions that boost energy efficiency.

AKVA NERO accumulators feature a very powerful special finned copper domestic water LK MAX coil fitted along the entire length of the accumulator tank. The heat transfer surface area of the coil is double that of an ordinary domestic water coil, thereby maximising output of domestic hot water.

AKVA NERO is ideal for use in systems with oil, wood or pellet-fired boilers. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	1 1/4" 2"	Up to 4,000 litres 5,000 litres or larger
Network / Boiler coupling	1	2"	May also be used as an immersion heater coupling
Thermometer/Thermostat	3	3/4"	
Sensor mount	3	Ø 10 mm	
Electric immersion heater coupling	1 or 2	2"	1 heater up to 750 litres 2 heaters for 1,000 litres or larger
Domestic water coil couplings	2	Ø 22 mm	NS15 inner and NS20 outer thread, in upper and lower accumulator section.
Drain connection	1	1"	
Air bleeder connection	1	1"	

Domestic water coil of LK MAX finned copper runs through the accumulator (from bottom to top). Material: Ø 22 mm highly finned copper.

Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA NERO 300 *	810	2100	140	284,0	3	150	78,0	
AKVA NERO 500 *	900	2100	170	450,0	3	150	88,0	
AKVA NERO 750 *	1050	2100	210	749,2	3	150	100,0	
AKVA NERO 1000 *	1150	2150	240	958,4	3	150	106,0	
AKVA NERO 1500 *	1350	2200	300	1486,4	3	150	159,0	
AKVA NERO 2000 *	1500	2250	350	1972,4	3	150	175,0	
AKVA NERO 2500	1500	2250	380	2500	1,5	100	-	-
AKVA NERO 3000	1600	2300	420	3000	1,5	100	-	-
AKVA NERO 4000	1800	2450	500	4000	1,5	100	-	-
AKVA NERO 5000	2000	2500	630	5000	1,5	100	-	-
AKVA NERO 6000	2150	2500	780	6000	1,5	100	-	-
AKVA NERO 7500	2150	3000	940	7500	1,5	100	-	-
AKVA NERO 10000	2150	3800	1140	10000	1,5	100	-	-

*) Indicated models have been manufactured under Ecodesign Regulation 814/2013/EU, and the associated products bear a CE-marking



AKVA NERO SOLAR ACCUMULATORS

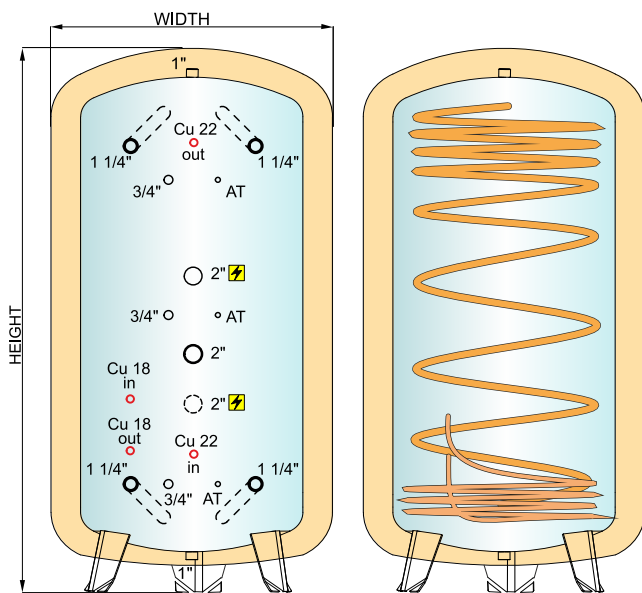
The Akvaterm NERO accumulator range was developed in response to increasingly strict environmental energy efficiency standards.

Superb insulating capacity is ensured by seamless high quality polyurethane insulation material and solutions that boost energy efficiency.

AKVA NERO SOLAR accumulators feature a very powerful special finned copper domestic water coil fitted along the entire length of the accumulator tank. The heat transfer surface area of the coil is double that of an ordinary domestic water coil, thereby maximising output of domestic hot water. The accumulator also includes a solar coil enabling use of solar energy.

TECHNICAL SPECIFICATIONS

Ideal for use in systems with oil, wood or pellet-fired boilers. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).

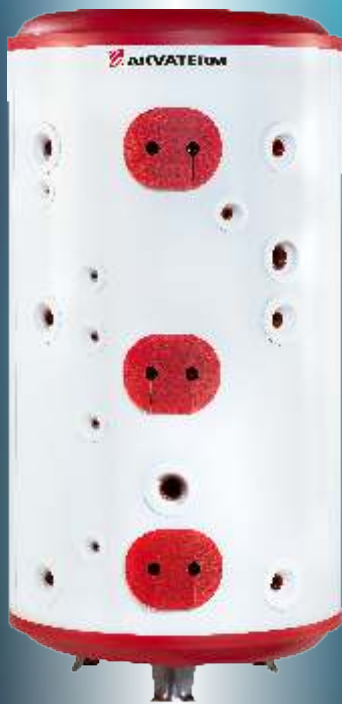


Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	1 1/4" 2"	Up to 4,000 litres 5,000 litres or larger
Network / Boiler coupling	1	2"	May also be used as an immersion heater coupling
Thermometer/Thermostat	3	3/4"	
Sensor mount	3	Ø 10 mm	
Electric immersion heater coupling	1 or 2	2"	1 heater up to 750 litres 2 heaters for 1,000 litres or larger
Domestic water coil couplings	2	Ø 22 mm	NS15 inner and NS20 outer thread, in upper and lower accumulator section.
Solar coil couplings	2	Ø 18 mm	NS15 inner and NS20 outer thread, in lower accumulator section.
Drain connection	1	1"	
Air bleeder connection	1	1"	

Domestic water coil of LK MAX finned copper runs through the accumulator (from bottom to top). Material Ø 22 mm highly finned copper.
AKVA NERO Solar model solar coil: 6 m for 300 and 500 litres, 12 m for 750 litres or larger. Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA NERO SOLAR 300 *	810	2100	140	282,5	3	150	80,0	
AKVA NERO SOLAR 500 *	900	2100	170	448,5	3	150	90,0	
AKVA NERO SOLAR 750 *	1050	2100	220	746,1	3	150	102,0	
AKVA NERO SOLAR 1000 *	1150	2150	250	955,3	3	150	108,0	
AKVA NERO SOLAR 1500 *	1350	2200	310	1483,3	3	150	161,0	
AKVA NERO SOLAR 2000 *	1500	2250	360	1969,3	3	150	177,0	
AKVA NERO SOLAR 2500	1500	2250	390	2500	1.5	100	-	-
AKVA NERO SOLAR 3000	1600	2300	430	3000	1.5	100	-	-
AKVA NERO SOLAR 4000	1800	2450	510	4000	1.5	100	-	-
AKVA NERO SOLAR 5000	2000	2500	640	5000	1.5	100	-	-
AKVA NERO SOLAR 6000	2150	2500	790	6000	1.5	100	-	-
AKVA NERO SOLAR 7500	2150	3000	950	7500	1.5	100	-	-
AKVA NERO SOLAR 10000	2150	3800	1150	10000	1.5	100	-	-

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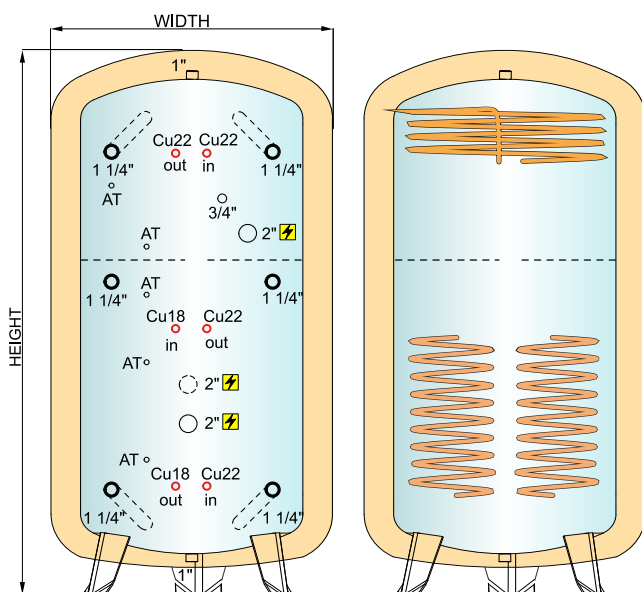


AKVA SOLAR ACCUMULATORS

The powerful AKVA SOLAR hybrid accumulator is designed for systems incorporating solar energy as one source of heating. AKVA SOLAR accumulators have two coils for preheating and superheating domestic water and a powerful solar coil for thermal fluid from solar collectors.

TECHNICAL SPECIFICATIONS

Various boiler solutions, heat pump solutions, solar, electrical. For use with nearly any kind of heat source or combination. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



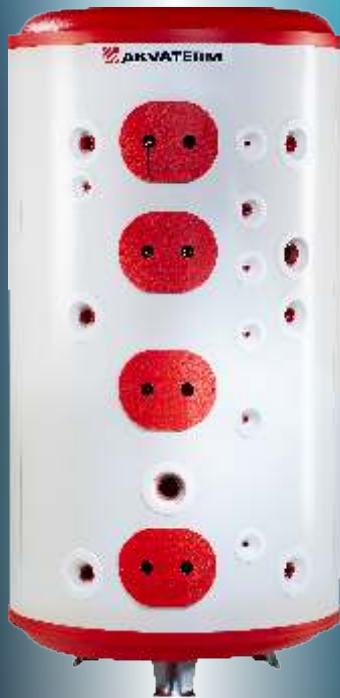
Couplings	Pieces	Size	Further details
Network / Boiler coupling	6	1 1/4"	
Thermometer/Thermostat	1	3/4"	
Sensor mount	5	Ø 10 mm	
Electric immersion heater coupling	2 or 3	2"	2 heaters for up to 2,000 litres 3 heaters for 2,500 litres or larger
Domestic water coil couplings	4	Ø 22 mm	In upper and lower accumulator section
Solar coil couplings	2	Ø 18 mm	In lower accumulator section
Drain connection	1	1"	
Air bleeder connection	1	1"	

The AKVA SOLAR model has three coils. An LK35 domestic water preheating coil in the lower section and an LK35 domestic water coil in the upper section. The lower accumulator section has a solar coil of 6m for 300 and 500 litres, or 12 m for 750 litres and larger models.

Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA SOLAR 300 *	810	2100	140	280,5	3	150	64,0	B
AKVA SOLAR 500 *	900	2100	170	446,5	3	150	75,0	B
AKVA SOLAR 750 *	1050	2100	220	744,7	3	150	89,0	B
AKVA SOLAR 1000 *	1150	2150	250	953,3	3	150	96,0	B
AKVA SOLAR 1500 *	1350	2200	310	1481,3	3	150	125,0	C
AKVA SOLAR 2000 *	1500	2250	360	1967,3	3	150	139,0	C
AKVA SOLAR 2500	1500	2250	390	2500	1,5	100	-	-
AKVA SOLAR 3000	1600	2300	430	3000	1,5	100	-	-
AKVA SOLAR 4000	1800	2450	510	4000	1,5	100	-	-
AKVA SOLAR 5000	2000	2500	640	5000	1,5	100	-	-

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AKVA SOLAR PLUS ACCUMULATORS

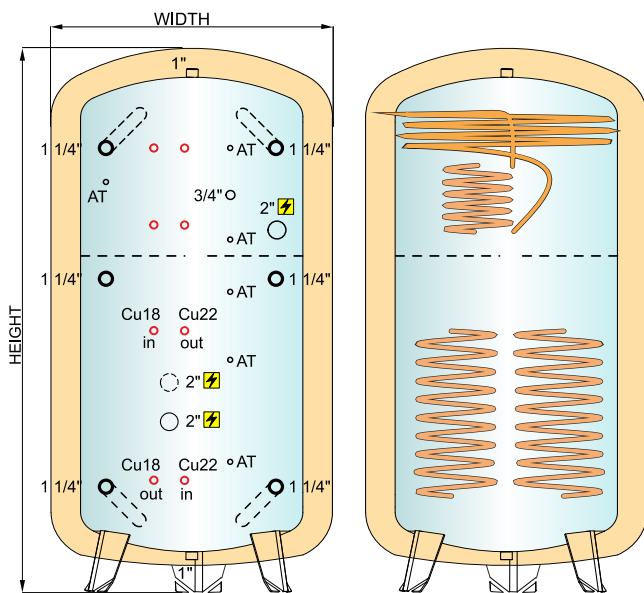
AKVA SOLAR PLUS hybrid accumulators satisfy environmental energy efficiency standards. All heat sources may be used with the AKVA SOLAR PLUS range.

AKVA SOLAR PLUS accumulators include two domestic water coils and two solar coils that may be connected to domestic water heating and preheating systems and to thermal fluid from solar collectors.

TECHNICAL SPECIFICATIONS

Various boiler solutions, heat pump solutions, solar, electrical. For use with nearly any kind of heat source or combination.

An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	6	1 1/4"	
Thermometer/Thermostat	1	3/4"	
Sensor mount	6	Ø 10 mm	
Electric immersion heater coupling	2 tai 3	2"	2 heaters for up to 2,000 litres 3 heaters for 2,500 litres or larger
Domestic water coil couplings	4	Ø 22 mm	In upper and lower accumulator section
Solar coil couplings	4	Ø 18 mm	In upper and lower accumulator section
Drain connection	1	1"	
Air bleeder connection	1	1"	

The AKVA SOLAR PLUS model has four coils. An LK35 domestic water preheating coil in the lower section and an LK35 domestic water coil in the upper section. The lower accumulator section has a solar coil of 6 m for 300 and 500 litres, or 12 m for 750 litres and larger models. There is a 6 m solar coil in the upper section of the accumulator.

AKVA SOLAR PLUS is also supplied with a SOLAR PLUS valve. Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA SOLAR PLUS 300 *	810	2100	150	279,0	3	150	66,0	B
AKVA SOLAR PLUS 500 *	900	2100	180	445,0	3	150	77,0	B
AKVA SOLAR PLUS 750 *	1050	2100	230	743,2	3	150	91,0	B
AKVA SOLAR PLUS 1000 *	1150	2150	260	951,8	3	150	98,0	B
AKVA SOLAR PLUS 1500 *	1350	2200	310	1479,8	3	150	127,0	C
AKVA SOLAR PLUS 2000 *	1500	2250	360	1965,8	3	150	141,0	C
AKVA SOLAR PLUS 2500	1500	2250	390	2500	1,5	100	-	-
AKVA SOLAR PLUS 3000	1600	2300	440	3000	1,5	100	-	-
AKVA SOLAR PLUS 4000	1800	2450	520	4000	1,5	100	-	-
AKVA SOLAR PLUS 5000	2000	2500	640	5000	1,5	100	-	-

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AKVA GEO ACCUMULATORS

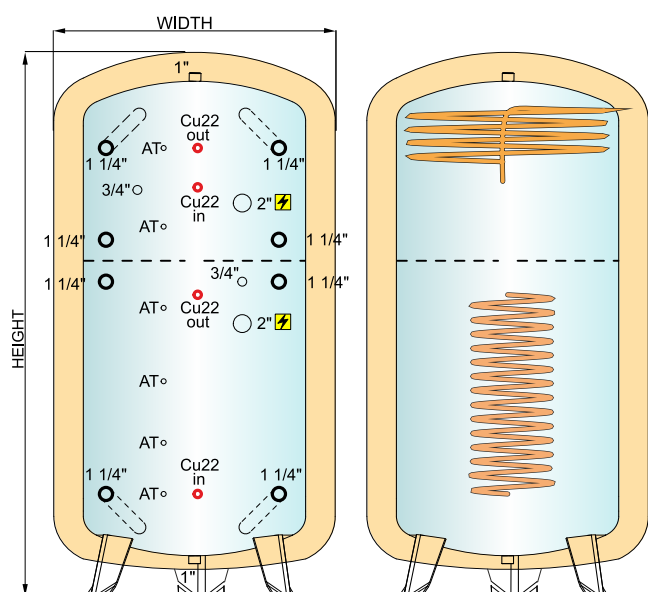
AKVA GEO hybrid accumulators are designed to satisfy increasingly strict environmental energy efficiency standards. AKVA GEO is particularly suitable for heating systems with a heat pump. The AKVA GEO accumulator is standardly fitted with two powerful domestic water coils that may be connected to heating and preheating of domestic water.

AKVA GEO is widely adaptable and suited to all heat sources.

TECHNICAL SPECIFICATIONS

Various boiler solutions, heat pump solutions, electrical. For use with nearly any kind of heat source or combination.

An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	8	1 1/4"	
Thermometer/Thermostat	2	3/4"	
Sensor mount	6	Ø 10 mm	
Electric immersion heater coupling	2	2"	
Domestic water coil couplings	4	Ø 22 mm	In upper and lower accumulator section.
Drain connection	1	1"	
Air bleeder connection	1	1"	

There are two coils in the AKVA GEO model: an LK35 domestic water preheating coil in the lower section and an LK45 domestic water coil in the upper section.

Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA GEO 300 *	810	2100	160	281,0	3	150	64,0	B
AKVA GEO 500 *	900	2100	180	447,0	3	150	75,0	B
AKVA GEO 750 *	1050	2100	210	746,8	3	150	89,0	B
AKVA GEO 1000 *	1150	2150	240	955,4	3	150	96,0	B
AKVA GEO 1500 *	1350	2200	300	1483,4	3	150	125,0	C
AKVA GEO 2000 *	1500	2250	350	1969,4	3	150	139,0	C
AKVA GEO 2500	1500	2250	380	2500	1.5	100	-	-
AKVA GEO 3000	1600	2300	420	3000	1.5	100	-	-
AKVA GEO 4000	1800	2450	500	4000	1.5	100	-	-
AKVA GEO 5000	2000	2500	630	5000	1.5	100	-	-

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AKVA GEO SOLAR ACCUMULATORS

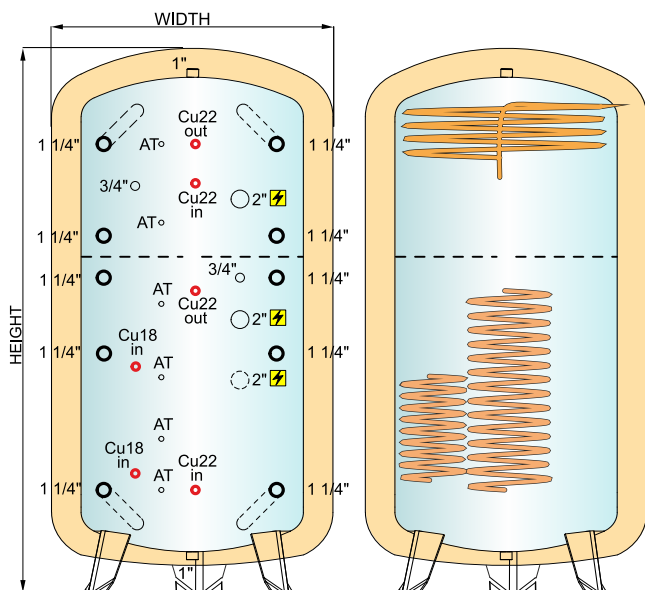
AKVA GEO SOLAR hybrid accumulators are designed to satisfy increasingly strict environmental energy efficiency standards. AKVA GEO SOLAR is particularly suitable for heating systems with a heat pump. The AKVA GEO SOLAR accumulator is standardly fitted with two powerful domestic water coils that may be connected to heating and preheating of domestic water. The lower section of the accumulator also includes a solar coil.

AKVA GEO is widely adaptable and suited to all heat sources.

TECHNICAL SPECIFICATIONS

Various boiler solutions, heat pump solutions, solar, electrical. For use with nearly any kind of heat source or combination.

An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	10	1 1/4"	
Thermometer/Thermostat	2	3/4"	
Sensor mount	6	Ø 10 mm	
Electric immersion heater coupling	2 or 3	2"	2 heaters for up to 2,000 litres 3 heaters for 2,500 litres or larger
Domestic water coil couplings	4	Ø 22 mm	In upper and lower accumulator section.
Solar coil couplings	2	Ø 18 mm	In lower accumulator section.
Drain connection	1	1"	
Air bleeder connection	1	1"	

The AKVA GEO SOLAR model has three coils. There is an LK35 domestic water preheating coil in the lower section and an LK45 domestic water coil in the upper section. The lower accumulator section has a solar coil of 6m for 300 and 500 litres, or 12 m for 750 litres and larger models.

Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA GEO SOLAR 300 *	810	2100	160	279,5	3	150	66,0	B
AKVA GEO SOLAR 500 *	900	2100	190	445,5	3	150	77,0	B
AKVA GEO SOLAR 750 *	1050	2100	220	743,7	3	150	91,0	B
AKVA GEO SOLAR 1000 *	1150	2150	250	952,3	3	150	98,0	B
AKVA GEO SOLAR 1500 *	1350	2200	310	1480,3	3	150	127,0	C
AKVA GEO SOLAR 2000 *	1500	2250	360	1966,3	3	150	141,0	C
AKVA GEO SOLAR 2500	1500	2250	390	2500	1.5	100	-	-
AKVA GEO SOLAR 3000	1600	2300	430	3000	1.5	100	-	-
AKVA GEO SOLAR 4000	1800	2450	510	4000	1.5	100	-	-
AKVA GEO SOLAR 5000	2000	2500	640	5000	1.5	100	-	-

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AKVA GEO SOLAR PLUS ACCUMULATORS

AKVA GEO SOLAR PLUS hybrid accumulators are designed to satisfy increasingly strict environmental energy efficiency standards.

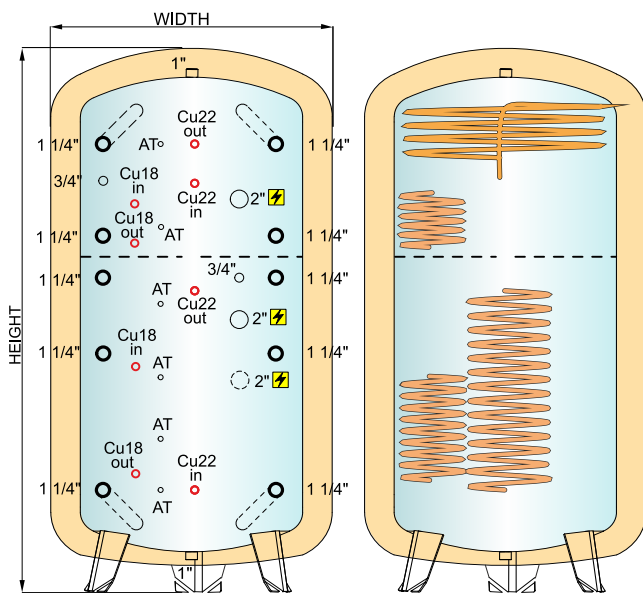
AKVA GEO SOLAR PLUS is particularly suitable for heating systems with a heat pump. The AKVA GEO SOLAR PLUS accumulator is standardly fitted with two powerful domestic water coils for heating and preheating domestic water. It also has two solar coils enabling optimisation of solar energy charging.

AKVA GEO SOLAR PLUS is widely adaptable and suited to all heat sources.

TECHNICAL SPECIFICATIONS

Various boiler solutions, heat pump solutions, solar, electrical. For use with nearly any kind of heat source or combination.

An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	10	1 1/4"	
Thermometer/Thermostat	2	3/4"	
Sensor mount	6	Ø 10 mm	
Electric immersion heater coupling	2 or 3	2"	2 heaters for up to 2,000 litres 3 heaters for 2,500 litres or larger
Domestic water coil couplings	4	Ø 22 mm	In upper and lower accumulator section.
Solar coil couplings	4	Ø 18 mm	In upper and lower accumulator section.
Drain connection	1	1"	
Air bleeder connection	1	1"	

The AKVA GEO SOLAR PLUS model has four coils. There is an LK35 domestic water preheating coil in the lower section and an LK45 domestic water coil in the upper section. The lower accumulator section has a solar coil of 6m for 300 and 500 litres, or 12 m for 750 litres and larger models. There is a 6 m solar coil in the upper section of the accumulator.

AKVA GEO SOLAR PLUS is also supplied with a SOLAR PLUS valve. Accessories include insulation in detachable sections and electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA GEO SOLAR PLUS 300 *	810	2100	170	278,0	3	150	68,0	B
AKVA GEO SOLAR PLUS 500 *	900	2100	200	444,0	3	150	79,0	B
AKVA GEO SOLAR PLUS 750 *	1050	2100	230	742,2	3	150	93,0	B
AKVA GEO SOLAR PLUS 1000 *	1150	2150	260	950,8	3	150	100,0	B
AKVA GEO SOLAR PLUS 1500 *	1350	2200	310	1478,8	3	150	129,0	C
AKVA GEO SOLAR PLUS 2000 *	1500	2250	360	1964,8	3	150	143,0	C
AKVA GEO SOLAR PLUS 2500	1500	2250	390	2500	1,5	100	-	-
AKVA GEO SOLAR PLUS 3000	1600	2300	440	3000	1,5	100	-	-
AKVA GEO SOLAR PLUS 4000	1800	2450	520	4000	1,5	100	-	-
AKVA GEO SOLAR PLUS 5000	2000	2500	640	5000	1,5	100	-	-

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AKVANTTI

AKVANTTI accumulators are highly suitable for new construction and renovation sites. With a depth of only 810 mm, these accumulators can be carried through nearly all door openings.

The AKVANTTI 1400-litre accumulator is standardly fitted with a powerful LK45 heat exchanger coil for heating domestic water. The accumulator includes two hatches for coils.

AKVANTTI 1400 E : supplied with no coils

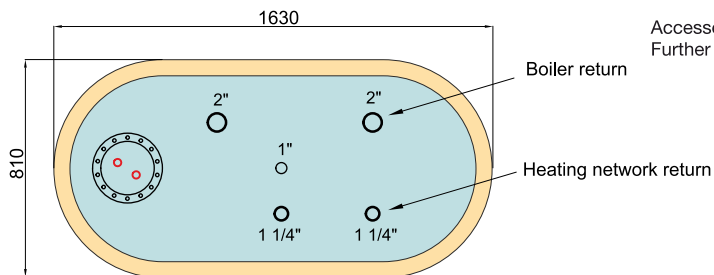
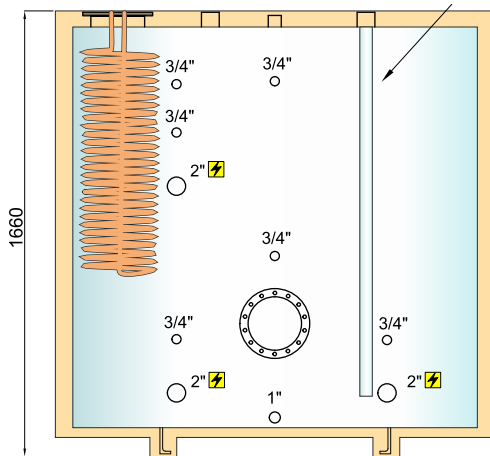
AKVANTTI 1400 EK : supplied with an LK45 coil in the upper section

AKVANTTI 1400 EK+K : supplied with two LK45 coils

TECHNICAL SPECIFICATIONS

Oval model of depth 810 mm. Ideal for use in systems with oil, wood or pellet-fired boilers. A domestic water preheating coil or solar coil may be fitted in the lower hatch. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).

2" and 1 1/4" guide pipes in connections



Couplings	Pieces	Size	Further details
Heating circuit coupling	2	1 1/4"	
Boiler coupling	2	2"	
Thermometer/Thermostat	6	3/4"	
Electric immersion heater couplings	3	2"	
Domestic water coil couplings		Ø 22 mm	
Domestic water coil hatches	2	Ø 200 mm	Hatches on the top and sides of the accumulator
Drain connection	1	1"	
Air bleeder connection	1	1"	

The AKVANTTI 1400 E accumulator includes two hatches for coils.

The AKVANTTI 1400 EK accumulator has an LK45 domestic water coil in the upper section. The AKVANTTI 1400 EK+K accumulator has two LK45 coils in the upper and middle sections.

Accessories include electric immersion heaters, coils for the lower hatch, double coils, etc. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Standing loss [W]	Insulation [mm]
AKVANTTI 1400 E *	1630	1660	410	1310,5	1,5	236,0	average 50
AKVANTTI 1400 EK *	1630	1660	420	1305,9	1,5	236,0	average 50
AKVANTTI 1400 EK+K *	1630	1660	430	1301,3	1,5	236,0	average 50

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AKVANTTI 2000 and 2400



AKVANTTI 2000 and 2400

AKVANTTI accumulators are highly suitable for new construction and renovation sites. With a depth of only 810 mm, these accumulators can be carried through nearly all door openings. AKVANTTI accumulators are standardly fitted with a powerful LK45 heat exchanger coil for heating domestic water.

The accumulator includes two hatches for coils.

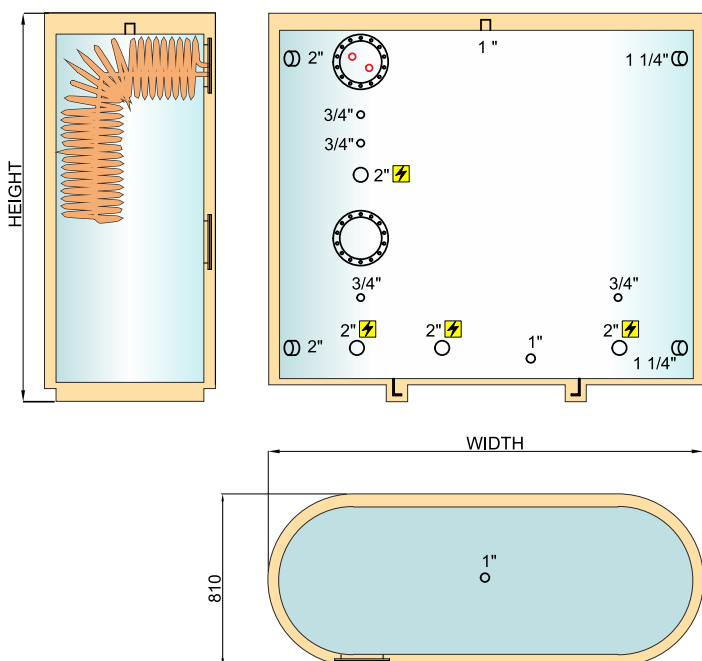
AKVANTTI 2000/2400 E: supplied with no coils

AKVANTTI 2000/2400 EK: supplied with an LK45 coil in the upper section

AKVANTTI 2000/2400 EK+K: supplied with two LK45 coils

TECHNICAL SPECIFICATIONS

Oval model of depth 810 mm. Ideal for use in systems with oil, wood or pellet-fired boilers. A domestic water preheating coil or solar coil may be fitted in the lower hatch. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Heating circuit coupling	2	1 1/4"	
Boiler coupling	2	2"	
Thermometer/Thermostat	4	3/4"	
Electric immersion heater couplings	4	2"	
Domestic water coil couplings		Ø 22 mm	
Domestic water coil hatches	2	Ø 200 mm	On upright side of accumulator
Drain connection	1	1"	
Air bleeder connection	1	1"	

The AKVANTTI 2000 E and 2400 E accumulator includes two hatches for coils.

The AKVANTTI 2000 EK and 2400 EK accumulator has an LK45 domestic water coil in the upper section

The AKVANTTI 2000 EK+K and 2400 EK+K accumulator has two LK45 coils in the upper and middle sections

Accessories include electric immersion heaters, coils for the lower hatch, double coils, etc. Further details available from our sales staff.

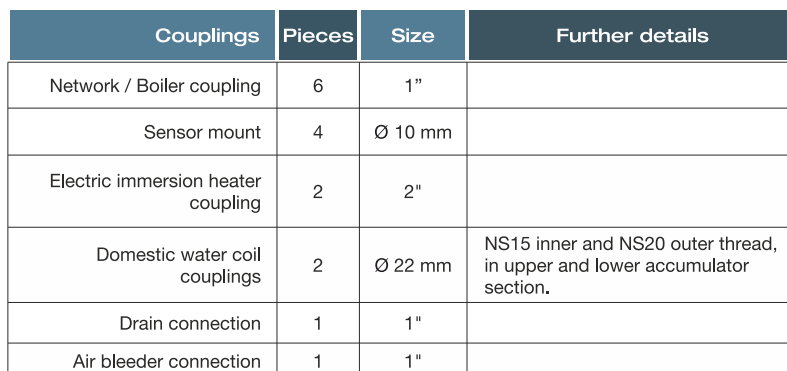
Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Standing loss [W]	Insulation [mm]
AKVANTTI 2000 E *	2060	1840	490	1878,5	1,5	264,0	average 50
AKVANTTI 2000 EK *	2060	1840	500	1873,9	1,5	264,0	average 50
AKVANTTI 2000 EK+K *	2060	1840	510	1869,3	1,5	264,0	average 50
AKVANTTI 2400 E	2060	2160	550	2400	1,5	-	average 50
AKVANTTI 2400 EK	2060	2160	560	2400	1,5	-	average 50
AKVANTTI 2400 EK+K	2060	2160	570	2400	1,5	-	average 50

*) Indicated models have been manufactured under Ecodesign Regulation 814/2013/EU, and the associated products bear a CE-marking



The AKVA EGO model features a very powerful special finned copper domestic water coil fitted along the entire length of the accumulator tank. The heat transfer surface area of the coil is double that of an ordinary domestic water coil, thereby maximising output of domestic hot water.

Optimal for use with a heat pump, for example. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Accessories include electric immersion heaters. Further details available from our sales staff.

*) Indicated models have been manufactured under Ecodesign Regulation 814/2013/EU, and the associated products bear a CE-marking



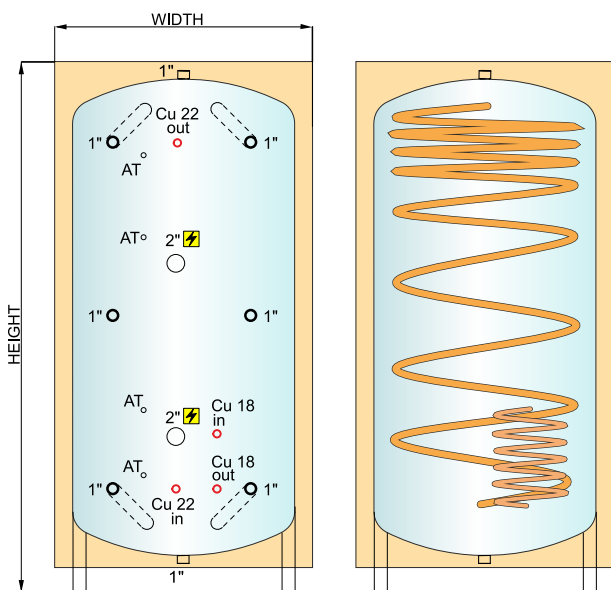
AKVA EGO SOLAR ACCUMULATORS

AKVA EGO SOLAR is your solution when seeking to store heating system energy and provide large quantities of hot running water. While compatible with all forms of heating, AKVA EGO SOLAR is ideal for use with a heat pump or back boiler.

EGO models feature a very powerful domestic water coil made of special finned copper, which is fitted along the entire length of the accumulator tank. The heat transfer surface area of the coil is double that of an ordinary domestic water coil, thereby maximising output of domestic hot water. The AKVA EGO SOLAR model also has a 6-metre solar coil that enables the tank to store thermal energy from solar collectors, thereby making the heating system even more energy-efficient and environmentally friendly.

TECHNICAL SPECIFICATIONS

Optimal for use with a heat pump, for example. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	6	1"	
Sensor mount	4	Ø 10 mm	
Electric immersion heater coupling	2	2"	
Domestic water coil couplings	2	Ø 22 mm	NS15 inner and NS20 outer thread, in upper and lower accumulator section.
Solar coil couplings	2	Ø 18 mm	NS15 inner and NS20 outer thread, in lower accumulator section.
Drain connection	1	1"	
Air bleeder connection	1	1"	

The domestic water coil in the AKVA EGO SOLAR accumulator is an LK SPEC highly finned copper coil running through the accumulator (from bottom to top). The coil material is 13.6 metres of Ø 22 mm highly finned copper.

The accumulator also has a solar coil of length: 6 metres in a 500-litre model, and 12 metres in a 700-litre model

Accessories include electric immersion heaters. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA EGO SOLAR 500 *	810	1550	140	442,8	3	50	127,0	
AKVA EGO SOLAR 700 *	810	2050	175	629,7	3	50	144,0	-

*) Indicated models have been manufactured under Ecodesign Regulation 814/2013/EU, and the associated products bear a CE-marking



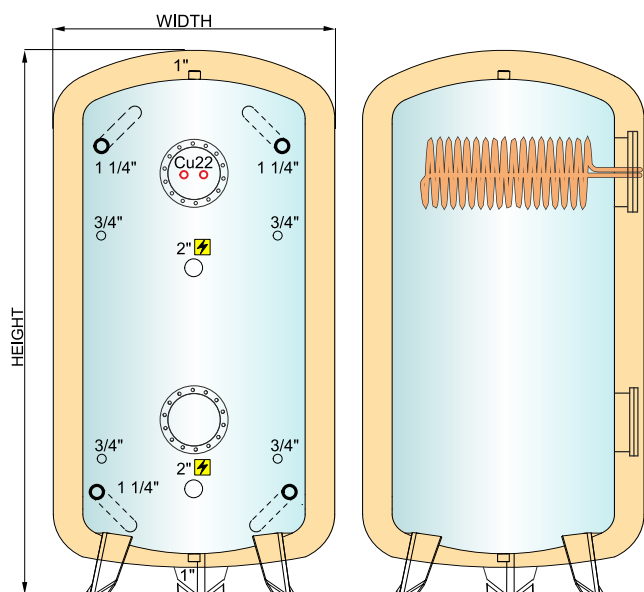
AKVA EK

The customisable AKVA EK accumulator tank is available in capacities of between 300 and 10,000 litres. The pressure class is 1.5 bar, but the appliance is also available in 3, 4 and 6 bar models. The insulation is 100 mm thick seamless polyurethane and a covering plate. The insulation is also available with detachable side sections.

An LK 35 coil for heating domestic water is standardly supplied in the upper hatch. A domestic water preheating coil, solar coil or other charging coil may be fitted in the lower section. The accumulator has 2" connections for electric immersion heaters and guide pipes to ensure correct heat stratification. The connections are provided near the insulation surface to facilitate installation. The accumulator may be shortened, raised, shaped, and fitted with levelling plates, electric immersion heaters, sleeve connections, flange connections and various hatches and coils. Further details are available from our sales staff.

TECHNICAL SPECIFICATIONS

Ideal for use in systems with oil, wood or pellet-fired boilers. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



A typical solution for an AKVA EK accumulator tank:

Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	1 1/4"	Typically 2" in models over 2000 litres
Thermometer/Thermostat	4	3/4"	
Electric immersion heater coupling	2	2"	
Domestic water coil couplings	2	Ø 22 mm	In upper accumulator section. Lower hatch often fitted with second coil either for preheating domestic water or input of solar energy.
Drain connection	1	1"	
Air bleeder connection	1	1"	

An LK35 coil is typically fitted in the upper hatch of the AKVA EK. Options include a wide selection of coils in various sizes that may be used for heating domestic water or feeding thermal energy into the accumulator.

Adaptable components: electric immersion heaters, coils, double coils, baffle plates, special connections, etc. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]
AKVA EK 300	710	2050	140	300	1.5	100
AKVA EK 500	800	2050	170	500	1.5	100
AKVA EK 750	950	2050	210	750	1.5	100
AKVA EK 1000	1050	2100	240	1000	1.5	100
AKVA EK 1500	1250	2150	300	1500	1.5	100
AKVA EK 2000	1400	2200	350	2000	1.5	100
AKVA EK 2500	1500	2250	380	2500	1.5	100
AKVA EK 3000	1600	2300	420	3000	1.5	100
AKVA EK 4000	1800	2450	500	4000	1.5	100
AKVA EK 5000	2000	2500	630	5000	1.5	100
AKVA EK 6000	2150	2500	780	6000	1.5	100
AKVA EK 7500	2150	3000	940	7500	1.5	100
AKVA EK 10000	2150	3800	1140	10000	1.5	100



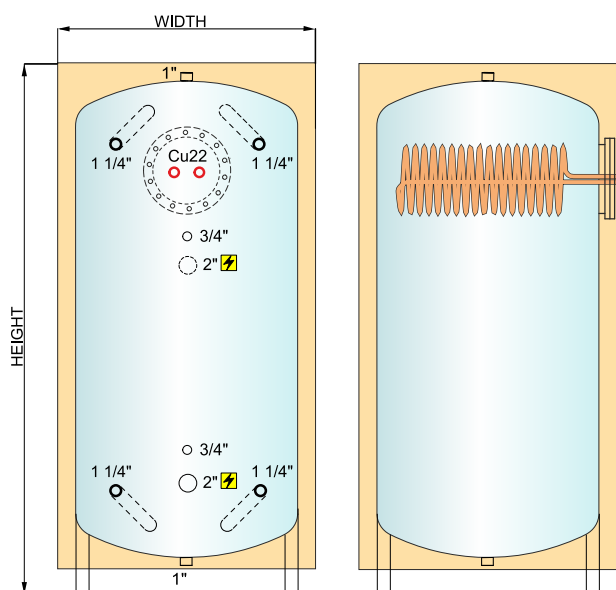
AKVASAN

With a diameter of only 810 mm, customisable AKVASAN accumulator tanks are particularly suited to renovation sites. The compact but powerful AKVASAN accumulator is easily moved even into confined spaces. AKVASAN accumulators have effective 50 mm thick polyurethane insulation. The pressure class is 3 bar.

An LK 35 coil for heating domestic water is standardly supplied in the upper hatch. AKVASAN is also available with no coil or coil hatch. A second coil for the lower section may also be included in the order, for example to serve as a charging coil or domestic water heating appliance. AKVASAN accumulators provide an energy-efficient solution even for small spaces, with 2" connections for electric immersion heaters and guide pipes to ensure correct heat stratification. The connections are provided near the insulation surface to facilitate installation.

TECHNICAL SPECIFICATIONS

Ideal for use in systems with oil, wood or pellet-fired boilers. An electric immersion heater may be fitted in the accumulator to provide heating if the external heat source fails (see page 19).



A typical solution for an AKVASAN accumulator tank:

Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	1 1/4"	
Thermometer/Thermostat	2	3/4"	
Electric immersion heater coupling	1 or 2	2"	1 piece in E model 2 pieces in EK model
Domestic water coil couplings	2	Ø 22 mm	In upper accumulator section. Hatch and coil only in EK model
Drain connection	1	1"	
Air bleeder connection	1	1"	

An LK35 coil is typically fitted in the upper section hatch of the AKVASAN. The AKVASAN may also be supplied with a second hatch in the lower accumulator section, or entirely without hatches or coils. Coils of varying size may be fitted in the hatches for heating domestic water or feeding thermal energy into the accumulator.

AKVASAN E: supplied with no coils / hatch
AKVASAN EK: supplied with one coil

Adaptable components: electric immersion heaters, coils, double coils, special connections, etc. Further details available from our sales staff.

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]
AKVASAN 500 E	810	1550	120	500	3	50
AKVASAN 500 EK	810	1550	130	500	3	50
AKVASAN 700 E	810	2100	150	700	3	50
AKVASAN 700 EK	810	2150	160	700	3	50



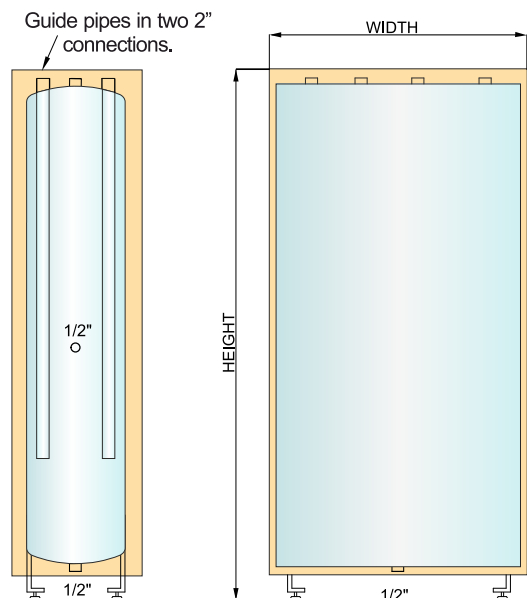
AKVA B

Customisable AKVA B working tanks are a solution when seeking reliable working or buffer tanks. These customisable solutions are based on:

- 100 or 200-litre cylinder model tanks
- 180-litre oval model tanks

TECHNICAL SPECIFICATIONS

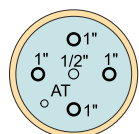
The pressure class is 3 bar.



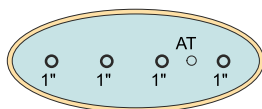
A typical assembly includes the following connections:

100 and 200 Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	1"	Guide pipe down in two connections
Sensor mount	1	Ø 10 mm	At top end
Thermometer/Thermostat	1	1/2"	At side
Drain connection	1	1/2"	At bottom end
Air bleeder connection	1	1/2"	At top end

Oval 180 Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	1"	At top end
Sensor mount	1	Ø 10 mm	At top end
Drain connection	1	1/2"	At bottom of tank



100 and 200



Oval 180

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]
AKVA B 100	420	1550	63	100	3	50
AKVA B 200	550	1500	97	200	3	50
AKVA B 180 OVAL	650x300	1500	95	180	3	20 mm foam rubber

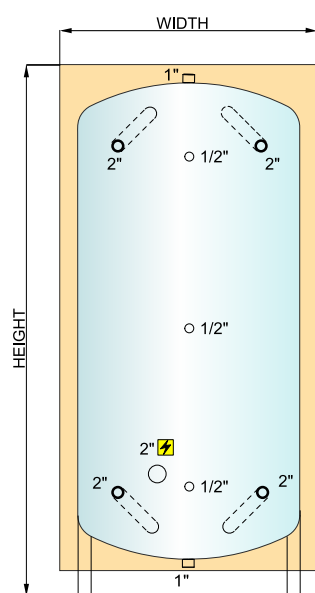


AKVA B

Customisable AKVA B working tanks are a solution when seeking reliable working or buffer tanks.

TECHNICAL SPECIFICATIONS

The pressure class is 3 bar. An electric immersion heater may be fitted in working tanks (see page 19).



Couplings	Pieces	Size	Further details
Network / Boiler coupling	4	2"	
Thermometer/Thermostat	3	1/2"	
Electric immersion heater coupling	1	2"	At bottom of tank
Drain connection	1	1"	
Air bleeder connection	1	1"	

Designation	Width [mm]	Height [mm]	Weight [kg]	Capacity [L]	P [bar]	Insulation [mm]	Standing loss [W]	Energy class
AKVA B 300 *	810	2100	130	289,0	3	150	69,0	C
AKVA B 500 *	900	2100	160	455,0	3	150	88,0	C
AKVA B 750 *	1050	2100	200	755,0	3	150	97,0	C
AKVA B 1000 *	1150	2150	230	963,6	3	150	103,0	B
AKVA B 1500 *	1350	2200	290	1491,6	3	150	156,0	C
AKVA B 2000 *	1500	2250	340	1977,6	3	150	172,0	C

*) Indicated models have been manufactured under Ecodesign Regulation 814/2013/EU, and the associated products bear a CE-marking



AKVA PRO

Special tanks made to measure! AKVAPRO tanks manufactured to order for special purposes:

- Cooling water tanks
- Large domestic water accumulators
- Industrial applications
- Equalising tanks

AKVA PRO tanks may be used as cold storage tanks, equalising tanks, in collection systems, or even as raw material storage tanks. We manufacture and equip each tank individually for the customer according to the intended use.

The AKVA PRO tank solution will be based on your expertise, so contact us to explain your special requirements! We will be pleased to provide further details of our service.

EXAMPLES OF VARIOUS OPTIONS:

Equalising tanks, cold storage tanks, domestic water tanks, working tanks, cooling water tanks.

Capacity: From small buffer tanks to vessels of over 10,000 litres.

Pressure classes from 1.5 to 10 bar.

Material options: structural steel (Fe), stainless (AISI 304), acid-resistant (AISI 316), ferrite (AISI 444).

Surface treatment: covering, zinc coating, hot galvanising.

Insulation: cellular rubber (13, 19, 25, 32 mm), seamless polyurethane.

A wide range of coil options: domestic water coils, solar coils, hot gas coils, double-walled safety coils.

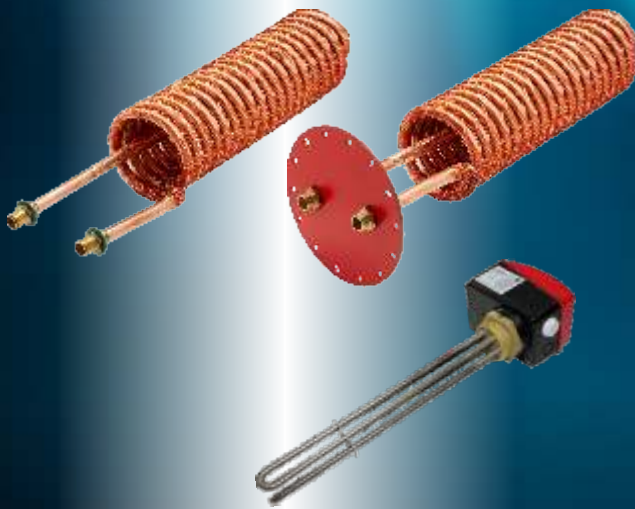
Coil materials include finned copper, AISI 316 and cupronickel.

Accumulators and tanks may be shortened, raised, shaped, fitted with baffle plates, electric immersion heaters, sleeve connections, flange connections, and various hatches and coils. Further details are available from our sales staff.

Normative principal dimensions for tanks:

Designation	Uninsulated width [mm]	Uninsulated height [mm]	Weight [kg]	Capacity [L]	Capacity change per 100 mm variation in height
AKVA PRO 100-250	440	1200-1900	50-100	100-250	15
AKVA PRO 300	508	1950	120	300	20
AKVA PRO 400	550	2000	130	400	23
AKVA PRO 500	600	2000	140	500	28
AKVA PRO 600	650	2000	160	600	33
AKVA PRO 700	700	2000	180	700	38
AKVA PRO 750	750	2000	190	750	44
AKVA PRO 800	800	2000	200	800	50
AKVA PRO 1000	850	2050	220	1000	56
AKVA PRO 1200	950	2050	230	1200	70
AKVA PRO 1500	1050	2050	260	1500	86
AKVA PRO 2000	1200	2100	310	2000	113
AKVA PRO 2500	1300	2150	340	2500	132
AKVA PRO 3000	1400	2200	380	3000	150
AKVA PRO 4000	1600	2300	460	4000	200
AKVA PRO 5000	1800	2400	570	5000	250
AKVA PRO 6000	1950	2400	720	6000	300
AKVA PRO 7500	1950	2900	870	7500	300
AKVA PRO 10000	1950	3700	1100	10000	300

Details for larger vessels available on request



Coils

Akvaterm manufactures coils for heating domestic water and for charging accumulators using solar energy. Our range also includes a comprehensive selection of special coils, and we manufacture customised coils when required.

Electric immersion heaters

The Akvaterm range includes a wide selection of electric immersion heaters and regulators. Electric immersion heaters of up to 10 kW are made of Incoloy, which has better properties than conventional HST stainless steel. The immersion heater package includes a regulator (Thermostat) and overheating cutout.

Domestic water coils with flange

Design	Diameter [mm]	Standard length [mm]	Couplings	Recommended maximum flow [l/min]
Flange seal for LK35 - LK60 coils				
LK 35 coil without flange			DN 20 (3/4")	20
LK 35	170	750	DN 20 (3/4")	20
LK 45	170	950	DN 20 (3/4")	20
LK 60	170	1250	DN 25 (1")	40
LK 80	300	900	DN 32 (1 1/4")	61
LK 100	300	1000	DN 40 (1 1/2")	81
LK 120	300	1100	DN 50 (2")	100
LK 140	300	1100	DN 50 (2")	120
LK 160	300	1100	DN 50 (2")	140
LK 180	300	1100	DN 50 (2")	160
LK 200	300	1100	DN 50 (2")	180
LK 220	300	1600	DN 50 (2")	200

Standard design domestic water coils:

Material: finned copper. The pressure class is 10 bar.

LK35-LK60 coils for installation in a 200 mm hatch. Larger coils are installed in a 300 mm hatch. Coils available with or without flange.

We also manufacture customised domestic water coils. Further details available from our sales staff.

Solar coils

Design	Maximum surface area of collector [m ²]
LK 35	10
LK 45	14
LK 60	24
LK 80	32
LK 100	43
LK 120	54
LK 140	64
LK 160	75
LK 180	85
LK 200	95
LK 220	105

Double coils

Design	Domestic water	Charging (e.g. solar)
LK 35/35	LK 35	LK 35
LK 35/45	LK 35	LK 45
LK 35/60	LK 35	LK 60
LK 45/35	LK 45	LK 35
LK 45/45	LK 45	LK 45
LK 45/60	LK 45	LK 60
LK 60/35	LK 60	LK 35
LK 60/45	LK 60	LK 45

We manufacture and supply special coils:

- shortened domestic water coil
- solar coils
- double coils (solar and domestic water in the same hatch)
- hot gas coils
- double-walled safety coils
- AISI316 coils
- cupronickel coils

Further details available from our sales staff.

Electric immersion heater packages

Power [kW]	Length [mm]	Material	Coupling
3	260	Incoloy 825	2"
4.5	390	Incoloy 825	2"
6	420	Incoloy 825	2"
7.5	640	Incoloy 825	2"
9	470	Incoloy 825	2"
10	665	Incoloy 825	2"
12 *	525	AISI 316 / Incoloy 825	2.5"
15 *	660	AISI 316 / Incoloy 825	2.5"

*) 12 and 15 kW heaters are supplied with a switch housing (no thermostat)

Electric immersion heater packages include:

- electric immersion heater with screw connection
- CU 4 thermostat and overheating cutout
- raised collar

In addition to the standard package, Akvaterm supplies various types of regulator, switch housings and heating elements. Further details available from our sales staff.



AKVATERM

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