

- Membrane Expansion Vessel
- Hydraulic Separator
- Potable Water Storage
- Buffer Vessel

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STAG

stands for high product quality and outstanding services.

We develop and produce sustainable compact and individual vessel ranges, search for new technical solutions and work towards optimising our manufacturing processes. We make our products non-substitutable goods on the global market based on the special technical know-how, innovative ideas and responsible actions of our employees. Flexibility and reliability are the key success factors within our company.



Our services:

Consulting

We offer you individual customer support for your planned projects in the system and vessel sector. We prepare and develop vessels and apparatus for vacuum applications, for pressurised and non-pressurised operations. We offer comprehensive support tailored to your requirements.

We optimally integrate process components, such as buffer vessels, heat exchangers or storage tanks into newly designed or existing systems. STAG GmbH will be happy to provide advice to meet your requirements profile. We cover the following aspects, amongst others:

- Wall thickness optimisation (material savings)
- Optimum cooling or heating options
- Application-specific insulation
- Surface finish
- Appropriate installation options

Everyday production requirements determine the complexity of your systems.

Design

Our design engineers for vessel manufacturing and apparatus engineering, technical draughtsmen, detail engineers and documentation administrators design, calculate and draw according to your remit, drawing specifications and safety requirements. We produce our designs using various 2D and 3D systems, such as AutoCAD or SolidWorks.

Contract manufacturing

We manufacture vessels, steel components and steel assemblies according to your designs or project requirements: quickly, reliably and unbureaucratically. You are in the right place here even, if you need design services with subsequent manufacturing.

Logistics

We make deliveries of our products throughout the world. As a customer-orientated company with efficient logistics we are synonymous with flexibility and diversity. This enables us not only to guarantee top-class products but also to ensure prompt deliveries. Of course, it is also possible to collect products.

Our quality:

Certification

We are certified as a manufacturer of pressure vessels and pressure vessel parts according to AD 2000 leaflet HPO considering the Pressure Equipment Directive 2014/68/EU and as welding company according to DIN EN ISO 3834-3 (DIN EN 729-3) with a wide range of welding procedure qualifications. Furthermore, we have a certified quality assurance system management to DIN EN ISO 9001.

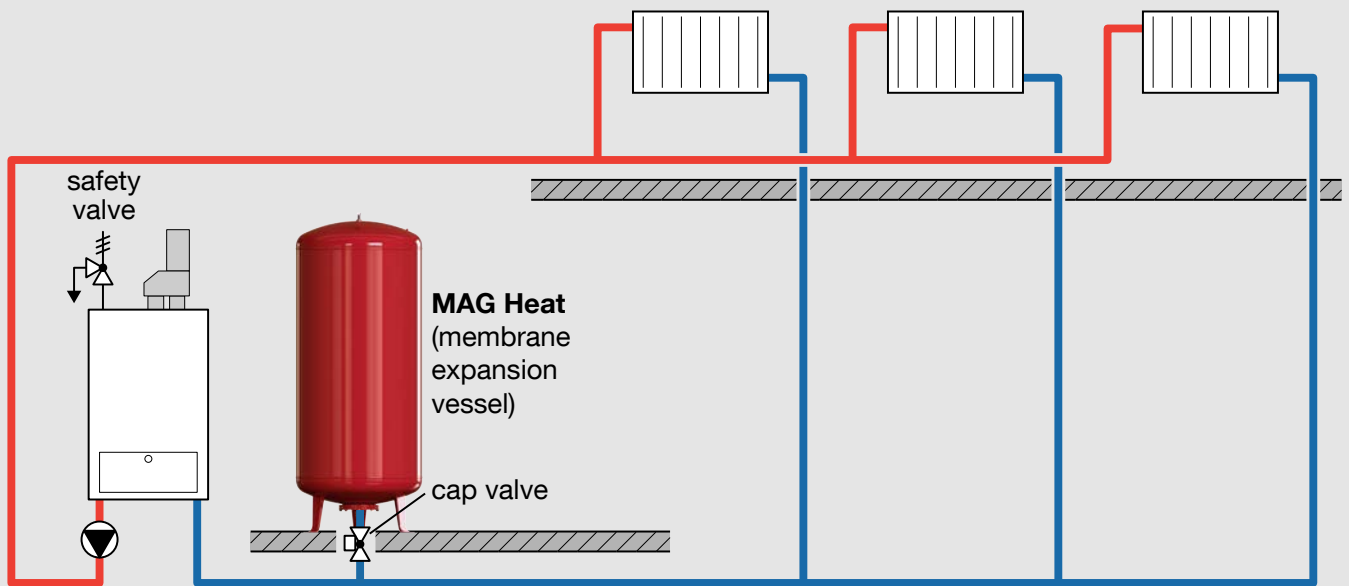
Environment and sustainability

The STAG GmbH leads the way in climate and environmental protection as a model. This also means that we deal responsibly with raw materials and reduce the power consumption continuously.

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Scheme of closed heating circuit.



Our pressure expansion vessels for closed heating systems are designed, manufactured and tested according to the following guidelines:

Guideline Series VDI 4708 “Pressure maintenance, venting, deaeration”

- VDI 4708 Part 1 “Pressure maintenance, venting, deaeration”
- VDI 4708 Part 2 “Pressure maintenance, venting, deaeration; venting and deaeration”

Membrane Expansion Vessel (MAG) with replaceable membrane

A expansion vessel offers you advantages in installations with big differences in the static pressure and set pressure of the safety valve. All expansion vessels are fitted with an exchangeable bladder. This bladder forms the separation between the expansion water inside the bladder and the nitrogen cushion.



MAG Heat 200 - 8000

For heating and chilled water (cooling) installations.

The vessel is equipped with a replaceable bladder made from high-quality butyl rubber in compliance with EN 13831/8. Particular benefit of use are achieved in installations with large variations between static pressure and pre-set pressure of the safety valve. Accessories to be ordered separately.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Max. temperature at (heating) outlet: 110 °C.
- Max. temperature on diaphragm (EN 13831/8): 70 °C.
- Red (RAL 3002) epoxy powder coating.



MAG Heat 600

MAG Heat 6500

MAG Heat (6 bar)

- Maximum operating pressure: 6 bar.
- Standard gas charge: 4 bar.

Type	Capacity [l]	Dimensions		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Heat 200	200	550	1187	R 1 ½" *	60	1	
MAG Heat 300	300	650	1174	R 1 ½" *	70	1	
MAG Heat 400	400	790	1564	R 1 ½" *	90	1	
MAG Heat 500	500	790	1320	R 1 ½" *	95	1	
MAG Heat 600	600	790	1550	R 1 ½" *	105	1	
MAG Heat 800	800	790	1950	R 1 ½" *	125	1	
MAG Heat 1000	1000	790	2270	R 1 ½" *	140	1	

Type	Capacity [l]	Dimensions		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Heat 1000	1000	1000	1690	R 1 ½" *	260	1	422115
MAG Heat 1200	1200	1000	1940	R 1 ½" *	285	1	422108
MAG Heat 1600	1600	1000	2440	R 1 ½" *	340	1	422109
MAG Heat 2000	2000	1200	2180	R 2" *	425	1	422110
MAG Heat 2750	2750	1200	2780	R 2 ½" *	510	1	422118
MAG Heat 3500	3500	1200	3580	R 2 ½" *	620	1	422111
MAG Heat 5000	5000	1500	3560	G 2 ½" *	870	1	422112
MAG Heat 6500	6500	1500	4433	DN100 PN16	1045	1	422113
MAG Heat 8000	8000	1500	5053	DN100 PN16	1220	1	422114

* Flanges as per EN 1092-1 PN 16 available.

Membrane Expansion Vessel (MAG)

Advantages:

- Replaceable bladder (EN13831/8).
- With inspection cover and pressure gauge (from 1000l / Ø1000).
- With height-adjustable feet (from 2,800 litres).
- Delivered ready for connecting to system.
- In accordance with Pressure Equipment Directive 2014/68/EG.
- Material quality: S235JR or higher.
- From 1600 l with manometer.



MAG Heat (10 bar)

- Maximum operating pressure: 10 bar.
- Standard gas charge: 6 bar.

Type	Capacity [l]	Dimensions *		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Heat 200	200	550	1187	R 1 ½" *	85	1	
MAG Heat 300	300	650	1174	R 1 ½" *	105	1	
MAG Heat 400	400	790	1564	R 1 ½" *	135	1	
MAG Heat 500	500	790	1320	R 1 ½" *	145	1	
MAG Heat 600	600	790	1550	R 1 ½" *	160	1	
MAG Heat 800	800	790	1950	R 1 ½" *	195	1	
MAG Heat 1000	1000	790	2270	R 1 ½" *	225	1	

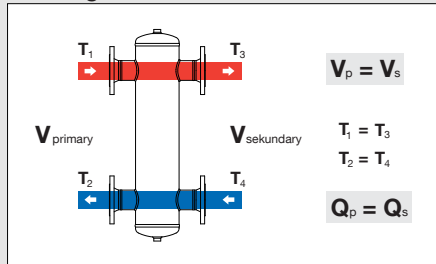
Type	Capacity [l]	Dimensions *		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Heat 1000	1000	1000	1690	R 1 ½" *	385	1	422155
MAG Heat 1200	1200	1000	1940	R 1 ½" *	410	1	422148
MAG Heat 1600	1600	1000	2440	R 1 ½" *	485	1	422149
MAG Heat 2000	2000	1200	2180	R 2" *	600	1	422150
MAG Heat 2750	2750	1200	2780	R 2 ½"	725	1	422158
MAG Heat 3500	3500	1200	3580	R 2 ½" *	900	1	422151
MAG Heat 5000	5000	1500	3600	R 2 ½" *	1300	1	422152
MAG Heat 6500	6500	1500	4477	DN100 PN16	1635	1	422153
MAG Heat 8000	8000	1500	5097	DN100 PN16	1835	1	422154

* Flanges as per EN 1092-1 PN 16 available.

MAG Aqua 16 bar on demand.

Function of the Hydraulic Separator

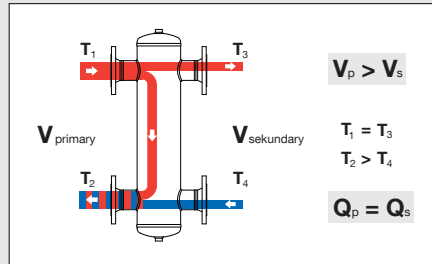
Heating water



Case 1

Distribution flow equals boiler flow

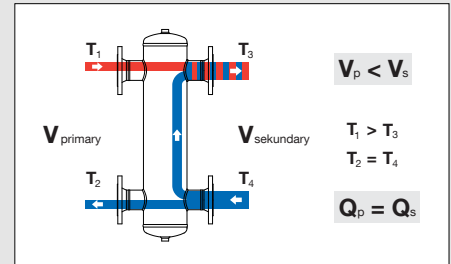
The volume at the heating medium return is equal to the volume at the heating system inlet. The quantity of heat delivered T_1 is equal to the quantity of heat received T_3 .



Case 2

Distribution flow is less than boiler flow

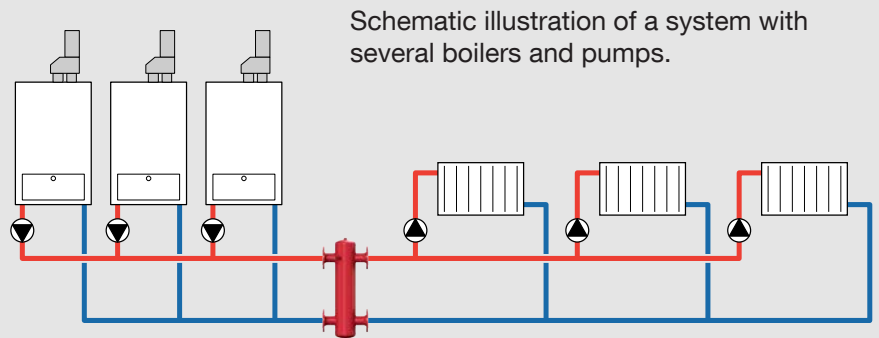
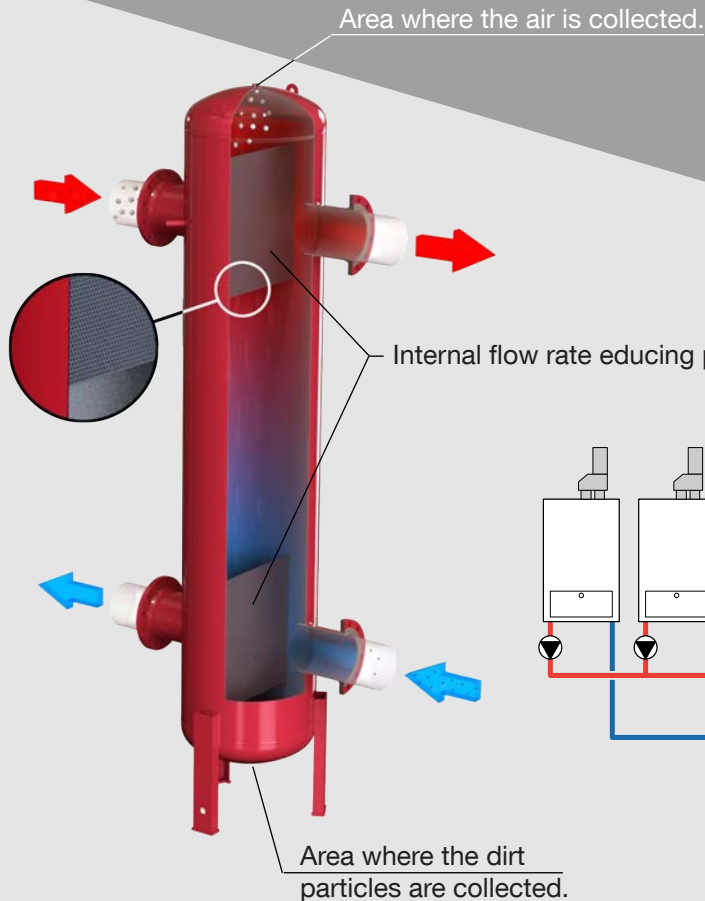
With the heating system control valves closed due to a reduced heat demand T_3 , part of the stream flows along the hydraulic separator. The excess heat T_1 is returned and indicates that the boiler power should be reduced or the boilers stopped.



Case 3

Distribution flow is greater than boiler flow

If the heat demand T_3 is higher than the boiler power T_1 , the heating system pumps force the return stream suction. It reduces the temperature of the heating circuit supply stream. It indicates that the power should be increased or another boiler activated.



Schematic illustration of a system with several boilers and pumps.

Hydraulic Separator

The Solution for Hydraulic Imbalance in Central Heating Installations

Increasingly, heating installations are fitted with several boilers. As a result, individual boilers can be switched on or off, depending on the heating requirements. In addition, there are often multiple sub-systems fitted with individual pumps. With these systems, there is a chance of hydraulic imbalance, which will lead to poor heat transfer, overloading of pumps and a system that is difficult to stabilise. Using a FlexBalance hydraulic balancer prevents this problem and improves the efficiency of the system.



HW F 50 - 125 Hydraulic Separator

For balancing hydraulic pressure in heating installations consisting of multiple circuits and pumps. FlexBalance hydraulic balancers are supplied with an automatic air vent and a dirt chamber. Internal flow rate educing perforated plate.

- Maximum operating pressure: 10 bar.
- Minimum and maximum operation temperature: normal conditions -10 °C / 110 °C
- No more overloaded pumps.
- More accurate regulation of the system is possible.
- Considerably improved warmth transference.
- Higher output by the system.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Vessel: steel (S235JR)
- Standard insulation colour: red coated (RAL 3002)

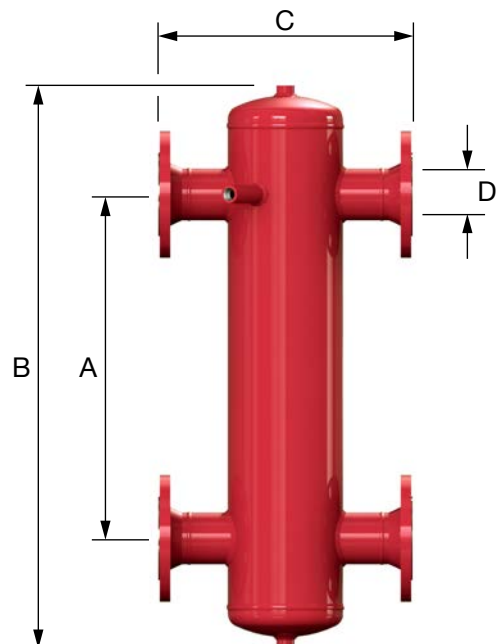


Sizes:

Type	Capacity [l]	Connection		Heatingcapacity max. [kW]*	Flow in the system [m³/h]	Weight [kg]	Pallet	Order Code
		DN	D [mm]					
HW F 50	15,0	50	60,3	100 - 200	5 - 15	28	1	428480
HW F 60	15,6	60	76,1	180 - 330	10 - 17	30	1	428481
HW F 80	15,6	80	88,9	300 - 450	15 - 30	50	1	428482
HW F 100	65,3	100	114,3	400 - 770	25 - 55	55	1	428483
HW F 125	65,3	125	139,7	700 - 1150	35 - 80	109	1	428484

* Depending on flow velocit.

Type	Dimensions [mm]		
	A	B	C
HW F 50	500	792	360
HW F 60	500	822	370
HW F 80	500	822	370
HW F 100	820	1265	480
HW F 125	820	1265	500



HW F 150 - 400 Hydraulic Separator

For balancing hydraulic pressure in heating installations consisting of multiple circuits and pumps. FlexBalance hydraulic balancers are supplied with an automatic air vent and a dirt chamber. Internal flow rate educing perforated plate.

- Maximum operating pressure: 10 bar.
- Minimum and maximum operation temperature: normal conditions -10 °C / 110 °C
- No more overloaded pumps.
- More accurate regulation of the system is possible.
- Considerably improved warmth transference.
- Higher output by the system.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Vessel: steel (S235JR)
- Standard insulation colour: red coated (RAL 3002)

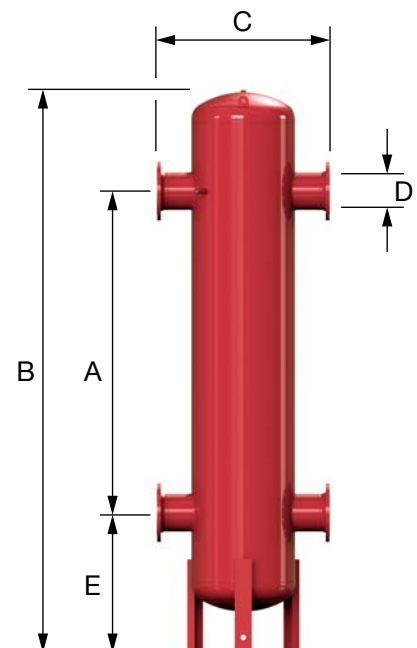


Sizes:

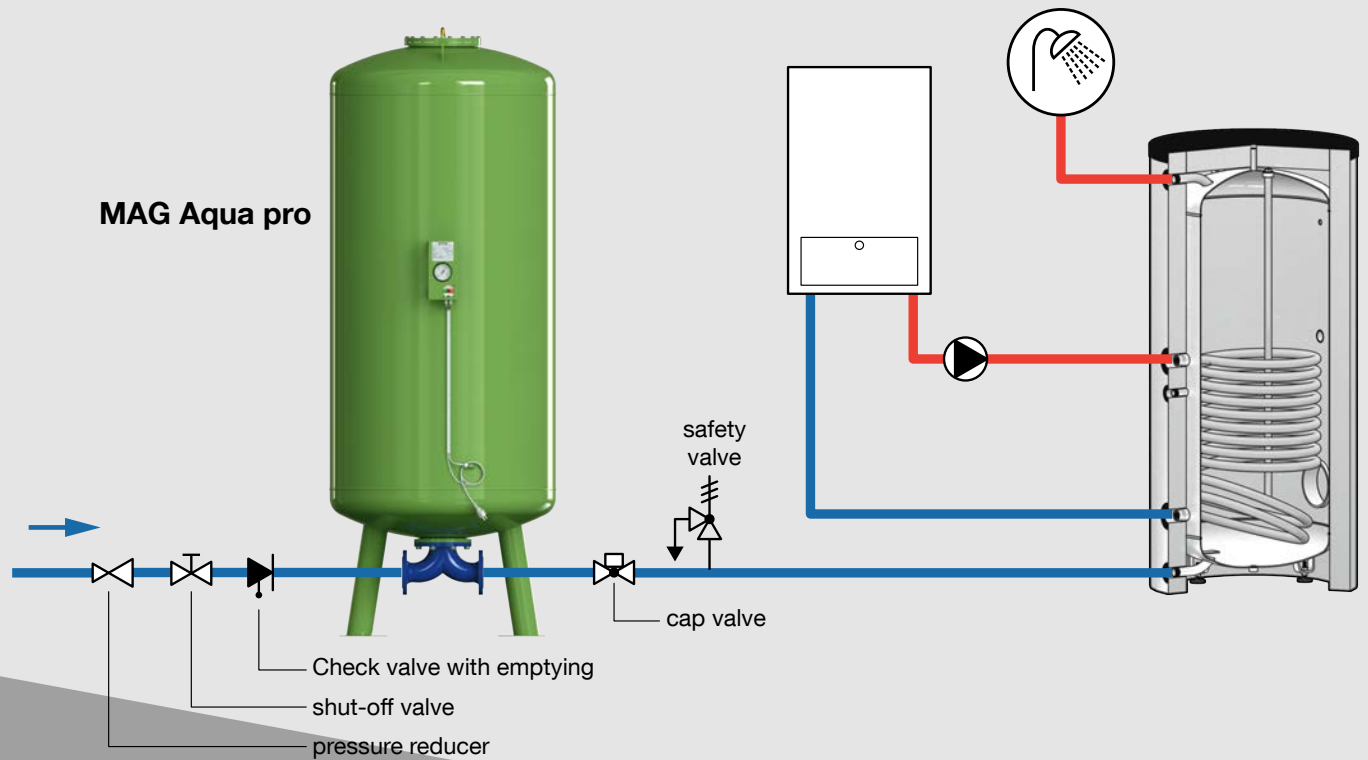
Type	Capacity [l]	Connection		Heatingcapacity max. [kW]*	Flow in the system [m³/h]	Weight [kg]	Pallet	Order Code
		DN	D [mm]					
HW F 150	235	150	168,3	1000 - 1750	55 - 120	147	1	428485
HW F 200	780	200	219,1	1500 - 2800	90 - 200	290	1	428486
HW F 250	1814	250	273,0	2500 - 4500	110 - 350	560	1	428487
HW F 300	1806	300	323,9	4200 - 6400	150 - 500	657	1	428488
HW F 350	3654	350	355,6	6000 - 7700	200 - 600	1090	1	428489
HW F 400	6228	400	406,4	7000 - 10000	250 - 800	1660	1	428490

* Depending on flow velocit.

Type	Dimensions [mm]			
	A	B	C	E
HW F 150	1350	2430	774	655
HW F 200	1800	3220	1000	825
HW F 250	2400	4125	1220	977
HW F 300	2400	4125	1220	977
HW F 350	3000	5225	1580	1227
HW F 400	3600	6140	1870	1385



Scheme for sanitary system



Our pressure expansion vessels for closed heating systems are designed, manufactured and tested according to the following guidelines:

DIN 4807-5

Expansion vessels - Part 5: Closed expansion vessels with membrane for drinking water installations - Requirements, test, design and designation - DVGW code of practice

DIN 1988

Codes of practice for drinking water installations

Membrane Expansion Vessel (MAG)

Expansion Vessels for Sanitary Installations

Diaphragm pressure expansion vessels with removable diaphragms are suitable for use in hot water, boosted and water-supply systems.



MAG Aqua 200 - 3000 / 10 bar

for domestic, process or extinguishing systems

Standard vessels for use in all (potable) water installations. The construction also permits use in closed HVAC installations with a maximum temperature of 60 °C. The composition of the bladder has been made for this range in such a way that there will be no variation in smell, colour or taste. The inside of the MAG Aqua connection flange has a special coating which prevents oxidation.

- Max. working temperature: 60 °C.
- Maximum operating pressure: 10 bar.
- Green epoxy powder coating.
- Material quality: S235JR or higher.

MAG Aqua 200 - 1000 / 10 bar

Type	Capacity [l]	Dimensions		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua 200	200	550	1187	R 1 ½"	85	1	a. A.
MAG Aqua 300	300	650	1174	R 1 ½"	105	1	a. A.
MAG Aqua 400	400	790	1564	R 1 ½"	135	1	a. A.
MAG Aqua 500	500	790	1320	R 1 ½"	145	1	a. A.
MAG Aqua 600	600	790	1550	R 1 ½"	160	1	a. A.
MAG Aqua 800	800	790	1950	R 1 ½"	195	1	a. A.
MAG Aqua 1000	1000	790	2270	R 1 ½"	225	1	a. A.



MAG Aqua 1600 - 3000 / 10 bar

Type	Capacity [l]	Dimensions		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua 1600	1600	1000	2680	Rp 2 ½"	529	1	414918
MAG Aqua 2000	2000	1200	2400	Rp 2 ½"	593	1	414922
MAG Aqua 3000	3000	1200	3300	Rp 2 ½"	782	1	414932



Advantages:

- Replaceable bladder (DIN 4807/5).
- With single threaded steel connection (no flow-through function).
- In accordance with Pressure Equipment Directive 2014/68/EG.
- From 1600 l with manometer.
- ACS certified.

Membrane Expansion Vessel (MAG)

MAG Aqua 200 - 3000 / 16 bar for domestic, process or extinguishing systems

Standard vessels for use in all (potable) water installations. The construction also permits use in closed HVAC installations with a maximum temperature of 60 °C. The composition of the bladder has been made for this range in such a way that there will be no variation in smell, colour or taste. The inside of the MAG Aqua connection flange has a special coating which prevents oxidation.

- Max. working temperature: 60 °C.
- Maximum operating pressure: 16 bar.
- Green epoxy powder coating.
- Material quality: S235JR or higher.

MAG Aqua 200 - 1000 / 16 bar

Type	Capacity [l]	Dimensions		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua 200	200	550	1187	R 1 ½"	128	1	a. A.
MAG Aqua 300	300	650	1174	R 1 ½"	148	1	a. A.
MAG Aqua 400	400	790	1564	R 1 ½"	210	1	a. A.
MAG Aqua 500	500	790	1320	R 1 ½"	255	1	a. A.
MAG Aqua 600	600	790	1550	R 1 ½"	282	1	a. A.
MAG Aqua 800	800	790	1950	R 1 ½"	333	1	a. A.
MAG Aqua 1000	1000	790	2270	R 1 ½"	398	1	a. A.



MAG Aqua 1600 - 3000 / 16 bar

Type	Capacity [l]	Dimensions		Connection	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua 1600	1600	1000	2680	Rp 2 ½"	587	1	414919
MAG Aqua 2000	2000	1200	2400	Rp 2 ½"	657	1	414923
MAG Aqua 3000	3000	1200	3300	Rp 2 ½"	864	1	414933



MAG Aqua 25 bar on demand.

MAG Aqua pro 50 - 3000 / 10 bar for domestic, process or extinguishing systems

Its special flow through construction eliminates the formation of unwanted bacteria. The composition of the diaphragms has been made for this range in such a way that there will be no variation in smell, colour or taste. The inside of the MAG Aqua pro connection flange has a special coating which prevents oxidation.

- Max. working temperature: 70 °C.
- Maximum operating pressure: 10 bar.
- Green epoxy powder coating.
- Material quality: S235JR or higher.

MAG Aqua pro 50 - 600 / 10 bar

- Visual bladder rupture indication by sight-glass.

Type	Capacity [l]	Dimensions		Connection (2x)	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua pro 50	50	450	845	R 1 ¼"	60	1	414702
MAG Aqua pro 80	80	450	1025	R 1 ¼"	70	1	414802
MAG Aqua pro 120	120	450	1280	R 1 ¼"	80	1	414814
MAG Aqua pro 180	180	550	1235	R 1 ¼"	110	1	414820
MAG Aqua pro 240	240	550	1495	R 1 ¼"	130	1	414826
MAG Aqua pro 300	300	550	1835	R 1 ¼"	150	1	414832
MAG Aqua pro 600	600	750	1850	R 1 ¼"	230	1	414862



MAG Aqua pro 800 - 3000 / 10 bar

- with Electronic diaphragm rupture sensor.
- With flange connection.

Type	Capacity [l]	Dimensions		Flansch-Connection * (2x)	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua pro 800	800	750	2230	DN 50	270	1	414880
MAG Aqua pro 1000	1000	750	2730	DN 50	320	1	414910
MAG Aqua pro 1600	1600	1000	2663	DN 80	550	1	414916
MAG Aqua pro 2000	2000	1200	2412	DN 80	620	1	414920
MAG Aqua pro 3000	3000	1200	3312	DN 80	805	1	414930

* EN 1092-1 PN16.



Membrane Expansion Vessel (MAG)

MAG Aqua pro 50 - 3000 / 16 bar for domestic, process or extinguishing systems

Its special flow through construction eliminates the formation of unwanted bacteria. The composition of the diaphragms has been made for this range in such a way that there will be no variation in smell, colour or taste. The inside of the MAG Aqua pro connection flange has a special coating which prevents oxidation.

- Max. working temperature: 70 °C.
- Maximum operating pressure: 16 bar.
- Green epoxy powder coating.
- Material quality: S235JR or higher.

MAG Aqua pro 50 - 3000 / 16 bar

- Electronic diaphragm rupture sensor.
- With flange connection.

Type	Capacity [l]	Dimensions		Flansch-Connection * (2x)	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]				
MAG Aqua pro 50	50	450	845	DN 40	70	1	414701
MAG Aqua pro 80	80	450	1025	DN 40	80	1	414801
MAG Aqua pro 120	120	450	1280	DN 40	95	1	414813
MAG Aqua pro 180	180	550	1235	DN 40	135	1	414819
MAG Aqua pro 240	240	550	1495	DN 40	160	1	414825
MAG Aqua pro 300	300	550	1835	DN 40	190	1	414831
MAG Aqua pro 600	600	750	1850	DN 50	300	1	414861
MAG Aqua pro 800	800	750	2230	DN 50	350	1	41881
MAG Aqua pro 1000	1000	750	2730	DN 50	415	1	414911
MAG Aqua pro 1600	1600	1000	2663	DN 80	610	1	414917
MAG Aqua pro 2000	2000	1200	2412	DN 80	680	1	414921
MAG Aqua pro 3000	3000	1200	3312	DN 80	890	1	414931

* EN 1092-1 PN16.

Advantages:

- Replaceable bladder (DIN 4807/5).
- With flange connection.
- In accordance with Pressure Equipment Directive 2014/68/EG.
- ACS certified.



Connections of a Potable Water Storage

Aquacell Duo

Indirectly heated upright water heater with a welded-in straight-tube heat exchanger.



Aquacell Solar

A range of economical and powerful indirect water heaters (with high quality enamelling) for heating potable water.

Potable Water Storage

Water Heater for Potable Water, Cooling and Heating Systems

STAG water heaters are made from first class materials, provide excellent heat output and are very energy efficient. The Duo and Duo Solar ranges offer a modern solution for your potable water system.

Aquacell HLS

Indirectly heated upright vessel with welded, high capacity tube heat exchangers. Can be combined with heat pumps. The vessel and spiral tubes are made of high quality steel with two coat enamelling (DIN 4753/3 compliant) for hygienic water heating and optimum protection against corrosion in combination with Mg-anode. With DN 110 inspection port for connecting an electrical element using a flange adapter.



Aquacell Duo 120 - 500

Indirectly heated upright water heater with a welded-in straight-tube heat exchanger. Lateral inspection flange (DN 110) can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Foot height adjustment for quick and safe alignment. Can be combined with all modern heating systems. Equipped with a thermometer and sensor terminal block.

- Permissible positive operating pressure: Heating coil / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coil/storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- From 400 litres, inspection flange: DN 110.



Sizes:

Typee	Ca- pacity [l]	Dimensions *			Heat- ing surface area [m ²]	Heat- ingca- pacity [kW] **	Waterca- pacity [l/h] **	Insula- tioncolour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting- height [mm]							
Aquacell Duo 120	120	560	940	1090	0,5	10,2	177	white	63	1	418500
Aquacell Duo 120	120	560	940	1090	0,5	10,2	177	alu.	63	1	418501
Aquacell Duo 150	150	560	1050	1200	0,6	11,6	202	white	68	1	418502
Aquacell Duo 150	150	560	1050	1200	0,6	11,6	202	alu.	68	1	418503
Aquacell Duo 200	200	560	1350	1500	0,9	18,6	323	white	86	1	418504
Aquacell Duo 200	200	560	1350	1500	0,9	18,6	323	alu.	86	1	418505
Aquacell Duo 300/Ø660	300	660	1620	1750	1,3	29,5	513	white	105	1	418435
Aquacell Duo 300/Ø660	300	660	1620	1750	1,3	29,5	513	alu.	105	1	418447
Aquacell Duo 300/Ø560	300	560	1850	2000	1,4	31,6	549	white	109	1	418506
Aquacell Duo 300/Ø560	300	560	1850	2000	1,4	31,6	549	alu.	109	1	418507
Aquacell Duo 400	400	750	1530	1715	1,6	35,4	615	white	158	1	418423
Aquacell Duo 400	400	750	1530	1715	1,6	35,4	615	alu.	158	1	418390
Aquacell Duo 500	500	750	1730	1895	2,0	45,2	785	white	181	1	418429
Aquacell Duo 500	500	750	1730	1895	2,0	45,2	785	alu.	181	1	418395

* Dimensions including insulation.

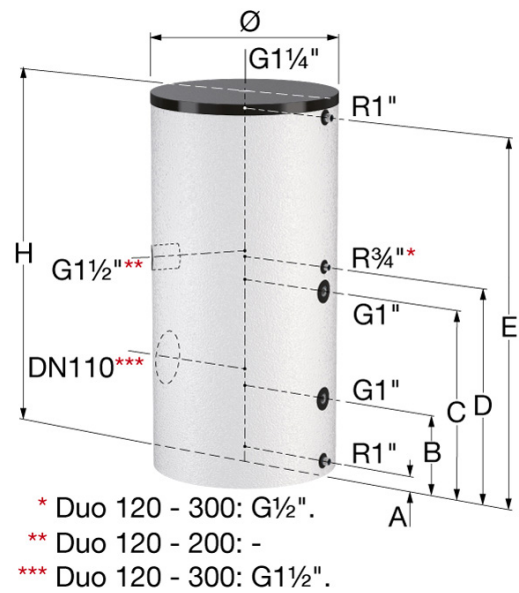
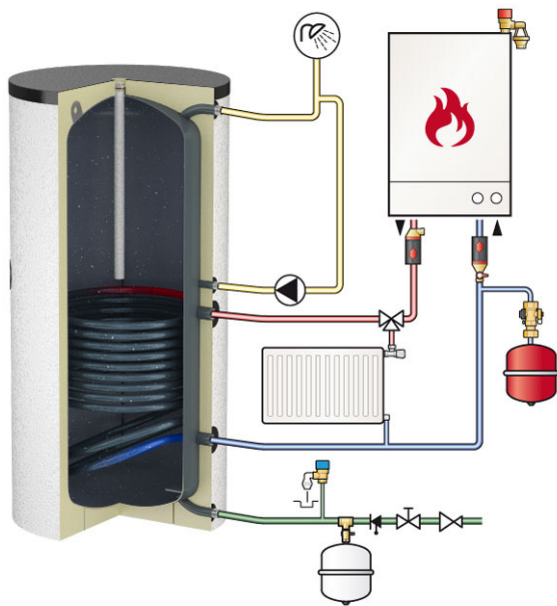
** At 80 °C supply temperature and 60 °C portable water temperature.



Insulation:

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.





Connection diagram:

Type	Distance from floor to connection centres				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
Aquacell Duo 120	65	245	545	635	885
Aquacell Duo 150	65	245	590	690	985
Aquacell Duo 200	65	245	710	885	1285
Aquacell Duo 300/Ø660	65	310	750	850	1560
Aquacell Duo 300/Ø560	65	245	910	1035	1785
Aquacell Duo 400	70	330	770	870	1470
Aquacell Duo 500	70	330	890	990	1670

Technical specifications:

Technical specifications	Aquacell Duo 120 - 500						
	120	150	200	300/Ø660	300/Ø560	400	500
Total heat loss (EN 12897) [W]	56	63	83	87	107	96	102
Energy label	C	C	C	C	C	C	C

Aquacell Duo 750 - 3000

Indirectly heated upright water heater with a welded-in straight-tube heat exchanger. Lateral inspection flange (DN 205) can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Foot height adjustment for quick and safe alignment. Can be combined with all modern heating systems. Equipped with a thermometer and sensor terminal block.

- Permissible positive operating pressure: Heating coil / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coil / storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- Inspection flange: DN 205.



Sizes:

Type	Ca capacity [l]	Dimensions *			Heating surface area [m²]	Heating capacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]							
Aquacell Duo 750	750	750	1970	2070	2,7	67,1	1166	white	280	1	419297
Aquacell Duo 750	750	750	1970	2070	2,7	67,1	1166	silver	280	1	419298
Aquacell Duo 1000	1000	800	2230	2320	3,2	73,9	1283	white	360	1	419305
Aquacell Duo 1000	1000	800	2230	2320	3,2	73,9	1283	silver	360	1	419306
Aquacell Duo 1500	1500	1000	2320	2480	6,4	143	2383	white	570	1	419310
Aquacell Duo 1500	1500	1000	2320	2480	6,4	143	2383	silver	570	1	419311
Aquacell Duo 2000	2000	1100	2400	2600	7,3	170	2951	white	666	1	419315
Aquacell Duo 2000	2000	1100	2400	2600	7,3	170	2951	silver	666	1	419316
Aquacell Duo 3000	3000	1200	2830	3000	7,3	170	2951	white	939	1	419318

Technical specifications:

Technical specifications	Aquacell Duo 750 - 3000				
	750	1000	1500	2000	3000
Total heat loss (EN 12897) [W]	158,2	177,8	225,2	294,7	n/a
Energy label	n/a	n/a	n/a	n/a	n/a

n/a = not applicable.

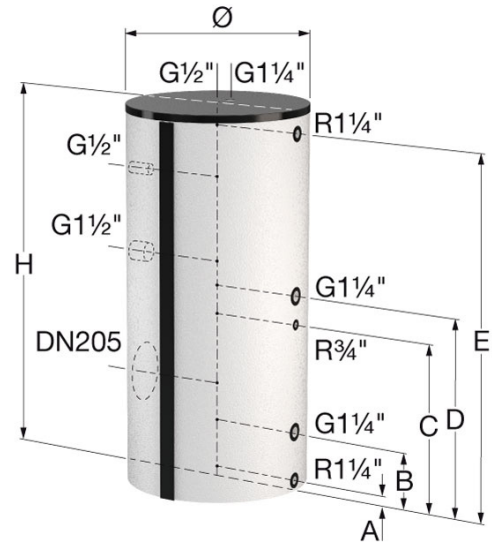
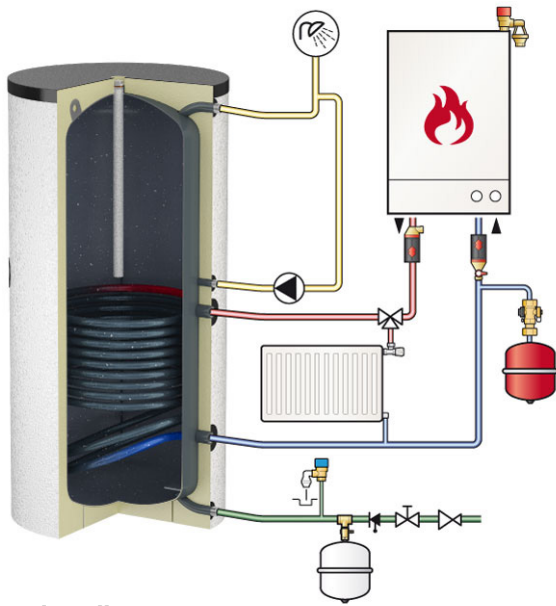


Insulation (inclusive):

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including 100mm assembly-friendly fibre-fleece insulating mantle with a polystyrene outer shell (fire category B2).

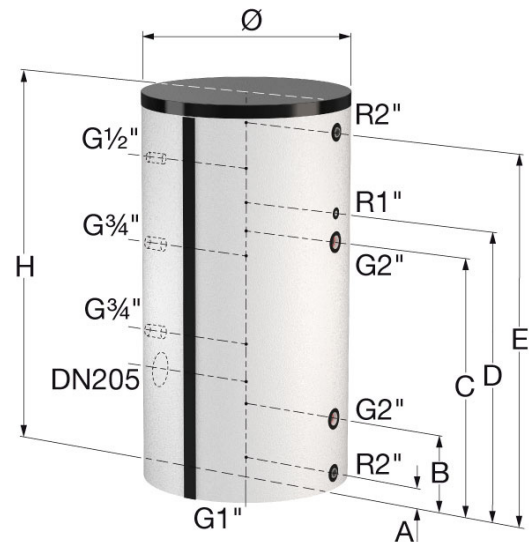
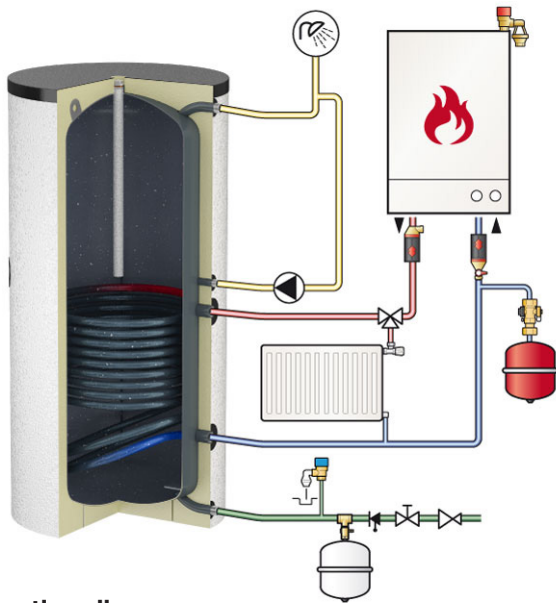


potable water storage



Connection diagram:

Type	Distance from floor to connection centres				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
Aquacell Duo 750	60	320	890	1040	1880
Aquacell Duo 1000	70	320	960	1110	2140



Connection diagram:

Type	Distance from floor to connection centres				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
Aquacell Duo 1500	85	435	1555	1735	2235
Aquacell Duo 2000	105	455	1575	1755	2255
Aquacell Duo 3000	95	470	1590	2200	2730

Aquacell Solar 200 - 500

Indirectly heated upright water heater with welded-in straight-tube heat exchangers. Inspection flange can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Can be combined with all modern heating systems. Equipped with a thermometer, sensor terminal block and foot height adjustment for quick and safe alignment.

- Permissible positive operating pressure: Heating coils / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coils / storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- From 400 litres, inspection flange: DN 110.



Sizes:

Type	Capacity [l]	Dimensions *			Heating surface area [m ²]	Heating-capacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]							
Aquacell Solar 200	200	560	1350	1500	0,5/0,9	12,0/18,6	208/323	white	96	1	418508
Aquacell Solar 200	200	560	1350	1500	0,5/0,9	12,0/18,6	208/323	silver	96	1	418509
Aquacell Solar 300/Ø560	300	560	1850	2000	0,8/1,4	19,2/31,6	334/549	white	123	1	418510
Aquacell Solar 300/Ø560	300	560	1850	2000	0,8/1,4	19,2/31,6	335/549	silver	123	1	418511
Aquacell Solar 300/Ø660	300	660	1620	1750	1,0/1,3	21,7/29,5	376/513	white	125	1	418431
Aquacell Solar 300/Ø660	300	660	1620	1750	1,0/1,3	21,7/29,5	376/513	silver	125	1	418448
Aquacell Solar 400	400	750	1530	1715	1,0/1,6	23,6/35,4	410/615	white	176	1	418233
Aquacell Solar 400	400	750	1530	1715	1,0/1,6	23,6/35,4	410/615	silver	176	1	418367
Aquacell Solar 500	500	750	1730	1895	1,0/2,0	23,6/45,2	410/785	white	199	1	418239
Aquacell Solar 500	500	750	1730	1895	1,0/2,0	23,6/45,2	410/785	silver	199	1	418372

* Including insulation.

** Upper/lower heating surface area.

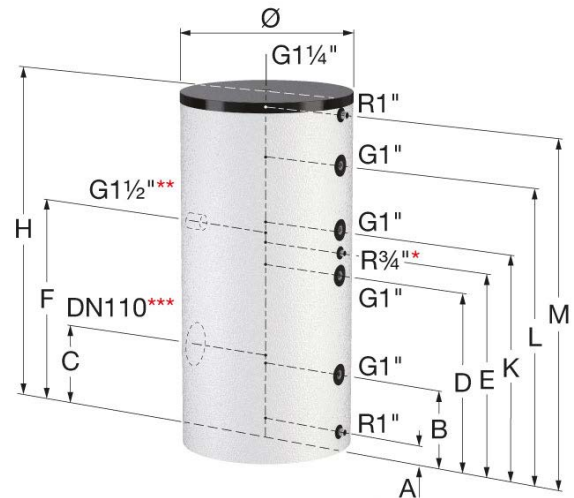
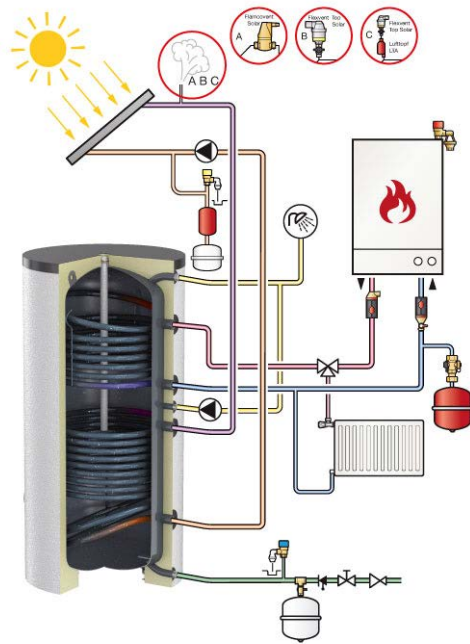
*** At 80 °C supply temperature and 60 °C potable water temperature.



Insulation:

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.





- * Aquacell Solar 200 - 300: G1/2"
- ** Aquacell Solar 200: -
- *** Aquacell Solar 200 - 300: G1 1/2"

Connection diagram:

Type	Distance from floor to connection centres								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]	M [mm]
Aquacell Solar 200	65	245	-	710	545	-	885	1085	1285
Aquacell Solar 300/Ø560	65	245	-	910	1035	1010	1135	1455	1560
Aquacell Solar 300/Ø660	65	310	-	750	850	845	950	1270	1785
Aquacell Solar 400	70	330	345	770	860	870	970	1250	1470
Aquacell Solar 500	70	330	345	890	980	990	1090	1370	1670

Technical specifications:

Technical specifications	Aquacell Solar 200 - 500				
	200	300/Ø660	300/Ø560	400	500
Total heat loss (EN 12897) [W]	83	87	107	96	102
Energy label	C	C	C	C	C

Aquacell Solar 750 - 1000

Indirectly heated upright water heater with welded-in straight-tube heat exchangers. Inspection flange can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Can be combined with all modern heating systems. Equipped with a thermometer, sensor terminal block and foot height adjustment for quick and safe alignment.

- Permissible positive operating pressure: Heating coils / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coils / storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- Inspection flange: DN 205.



Sizes:

Type	Ca capacity [l]	Dimensions *			Heating surface area [m ²]	Heating-capacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilt-ing-height [mm]							
Aquacell Solar 750	750	750	1970	2070	2,0/2,7	34,4/55,4	543/875	white	320	1	419320
Aquacell Solar 750	750	750	1970	2070	2,0/2,7	34,4/55,4	543/875	silver	320	1	419321
Aquacell Solar 1000	1000	800	2230	2320	2,1/3,2	38,2/65,5	603/1034	white	420	1	419325
Aquacell Solar 1000	1000	800	2230	2320	2,1/3,2	38,2/65,5	603/1034	silver	420	1	419326

* Excluding insulation.

** Upper/lower heating surface area.

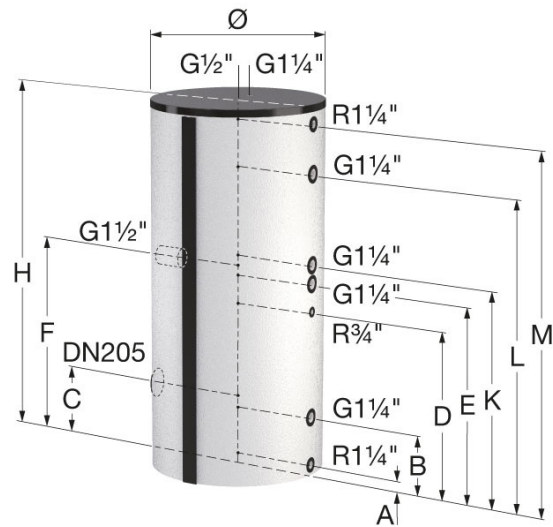
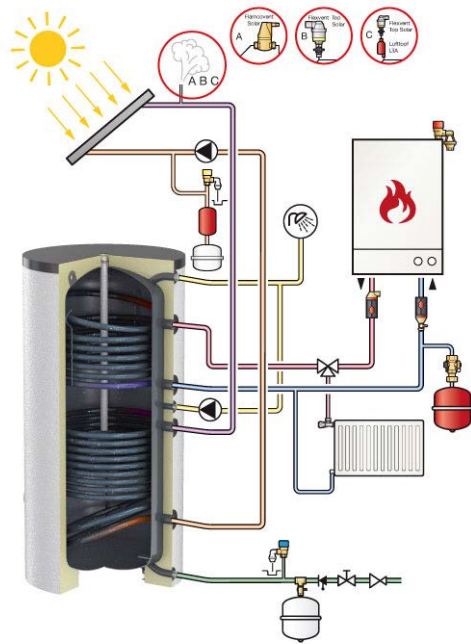
*** At 80 °C supply temperature and 60 °C potable water temperature.



Insulation (inclusive):

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including 100mm assembly-friendly fibre-fleece insulating mantle with a polystyrene outer shell (fire category B2).





Connection diagram:

Type	Distance from floor to connection centres								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]	M [mm]
Aquacell Solar 750	60	320	405	890	1040	1200	1140	1620	1880
Aquacell Solar 1000	70	320	415	960	1110	1210	1260	1740	2140

Technical specifications:

Technical specifications	Aquacell Solar 750 - 1000	
	750	1000
Total heat loss (EN 12897) [W]	157,3	175,9
Energy label	n/a	n/a

n/a = not applicable.

Aquacell HLS 300 - 500

Especially suited for the combination of heat pumps with indirectly heated upright water heaters and a particularly large, welded-in tandem heating coil. Inspection flange can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Can be combined with all modern heating systems. Equipped with a thermometer and thermowell for the temperature sensor. Optional foot height adjustment.

- Permissible positive operating pressure: Heating coil / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coil / storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- Inspection flange: DN 110.



Sizes:

Type	Ca capacity [l]	Dimensions *			Heating surface area [m ²]	Heat-ingca-pacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]							
Aquacell HLS 300	300	660	1710	1750	3,2	64,3	1117	white	160	1	418171
Aquacell HLS 400	400	750	1630	1715	4,1	80,6	1401	white	198	1	418176
Aquacell HLS 500	500	750	1830	1895	4,8	95,7	1663	white	222	1	418181

* Dimensions Including insulation.

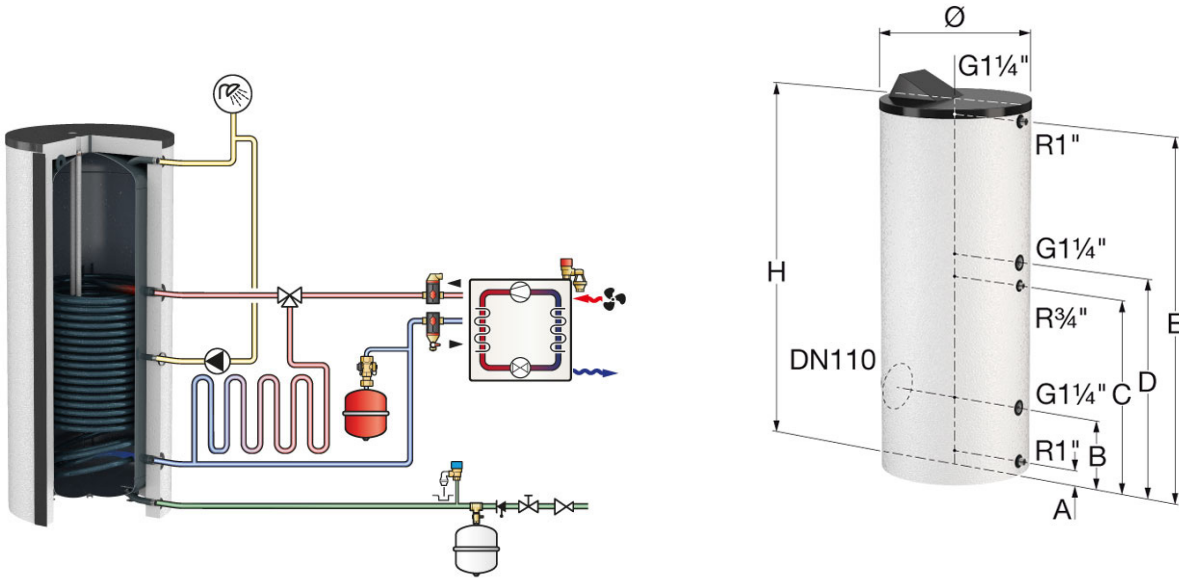
** At 80 °C supply temperature and 60 °C potable water temperature.



Insulation:

- Standard colour: white (RAL 9010).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.





Connection diagram:

Type	Distance from floor to connection centres				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
Aquacell HLS 300	65	310	845	945	1560
Aquacell HLS 400	70	330	870	970	1470
Aquacell HLS 500	70	330	990	1090	1670

Technical specifications:

Technical specifications	Aquacell HLS		
	300	400	500
Total heat loss (EN 12897) [W]	91	95	101
Energy label	C	C	C

Aquacell HLS 750 - 1000

Especially suited for the combination of heat pumps with indirectly heated upright water heaters and a particularly large, welded-in tandem heating coil. Inspection flange can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Can be combined with all modern heating systems. Equipped with a thermometer and thermowell for the temperature sensor. Optional foot height adjustment.

- Permissible positive operating pressure: Heating coil / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coil / storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- Inspection flange: DN 205.



Sizes:

Type	Ca capacity [l]	Dimensions *			Heating surface area [m ²]	Heat-ingca-pacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]							
Aquacell HLS 750	750	750	1880	2070	6,2	123,6	2140	white	610	1	418184
Aquacell HLS 750	750	750	1880	2070	6,2	123,6	2140	silver	610	1	418185
Aquacell HLS 1000	1000	750	2250	2320	7,6	150,5	2614	white	680	1	418187
Aquacell HLS 1000	1000	750	2250	2320	7,6	150,5	2614	silver	680	1	418186

* Dimensions Including insulation.

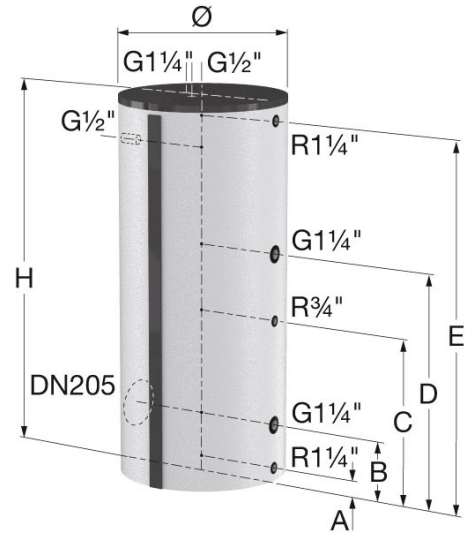
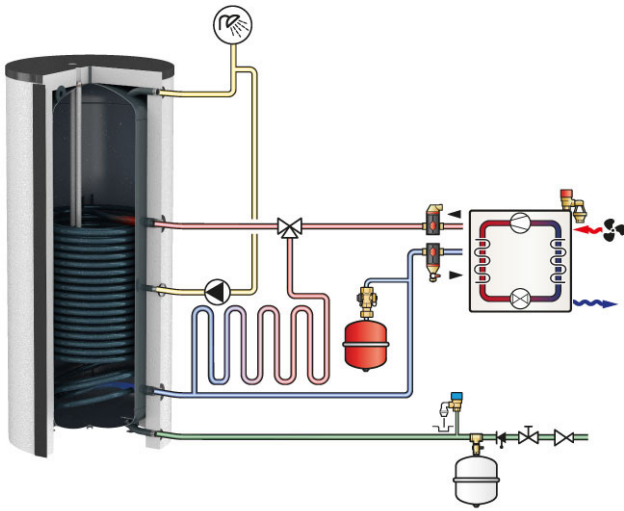
** At 80 °C supply temperature and 60 °C potable water temperature.



Insulation (inclusive):

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including 100mm assembly-friendly fibre-fleece insulating mantle with a polystyrene outer shell (fire category B2).





Connection diagram:

Type	Distance from floor to connection centres				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
Aquacell Duo 750	60	320	890	1240	1880
Aquacell Duo 1000	70	320	900	1360	2140

Technical specifications:

Technical specifications	Aquacell Duo 750 - 3000	
	750	1000
Total heat loss (EN 12897) [W]	157,1	176,6
Energy label	n/a	n/a

n/a = not applicable.

Aquacell HLS-Solar 400 - 500

Especially suited for the combination of heat pumps with solar systems with indirectly heated upright water heaters and a particularly large, welded-in tandem heating coil for supplementary heating and an additional straight-tube heat exchanger at the bottom for connecting a solar system. Inspection flange can be used for connecting additional heat sources (electric heating etc.). Robust and installation-friendly design. Can be combined with all modern heating systems. Equipped with a thermometer and thermowell for the temperature sensor. Optional foot height adjustment.

- Permissible positive operating pressure: Heating coils / storage water heater 16 bar / 10 bar.
- Permissible operating temperature: Heating coils / storage water heater 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.
- Inspection flange: DN 110.
- With a 1 1/2" fitting for screw-in heaters above the lower heating coil.



Sizes:

Type	Ca pacity [l]	Dimensions *			Heating surface area [m ²]**	Heating- capacity [kW] ***	Water capacity [l/h] ***	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting- height [mm]							
Aquacell HLS-Solar 400	400	750	1630	1715	3,0/1,2	59,1/25,1	1031/435	white	210	1	418126
Aquacell HLS-Solar 500	500	750	1830	1895	3,6/1,6	69,7/34,1	1211/592	white	240	1	418128

* Dimensions including insulation.

** Upper/lower heating surface area.

*** At 80 °C supply temperature and 60 °C potable water temperature.

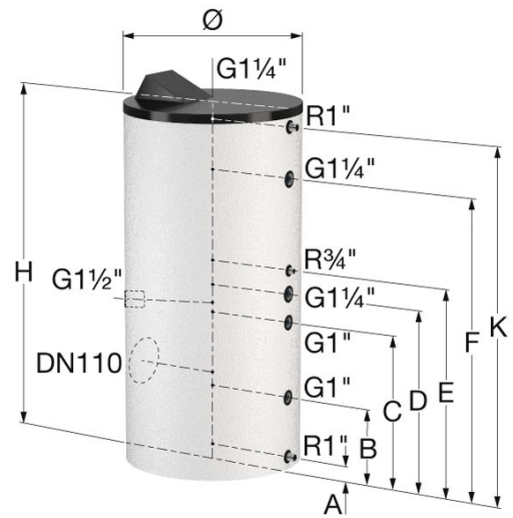
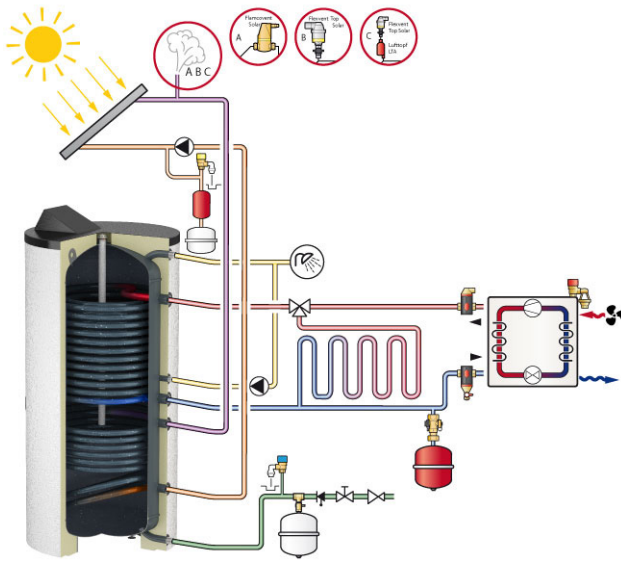


Insulation:

- Standard colour: white (RAL 9010).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.



potable water storage



Connection diagram:

Type	Distance from floor to connection centres						
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]
Aquacell HLS-Solar 400	65	320	640	760	860	1240	1455
Aquacell HLS-Solar 500	65	320	760	880	980	1440	1650

Technical specifications:

Technical specifications	Aquacell HLS-Solar	
	400	500
Total heat loss (EN 12897) [W]	95	108
Energy label	C	C

Aquacell USP 110 - 160

Indirectly heated storage water heater with connections on the top with a welded-in straight-tube heat exchanger. High transfer capacity due to the very large heating surface. Can be combined with all modern heating systems; particularly suitable for heating through condensing boilers or compact district heating stations. Equipped with a thermowell for the temperature sensor and a lateral discharge connection. All system connections conveniently located on the top of the storage water heater.

- Permissible positive operating pressure: Heating coil / storage water heater: 16 bar / 10 bar.
- Permissible operating temperature: Heating coil / storage water heater: 130 °C / 95 °C (403 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.



Sizes:

Type	Ca pacity [l]	Dimensions *		Heating surface area [m ²]	Heating- capacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]							
Aquacell USP 110	110	550	805	1,1	24,7	428	white	69	1	419069
Aquacell USP 160	160	550	1055	1,3	29,9	519	white	88	1	419075

* Dimensions Including insulation.

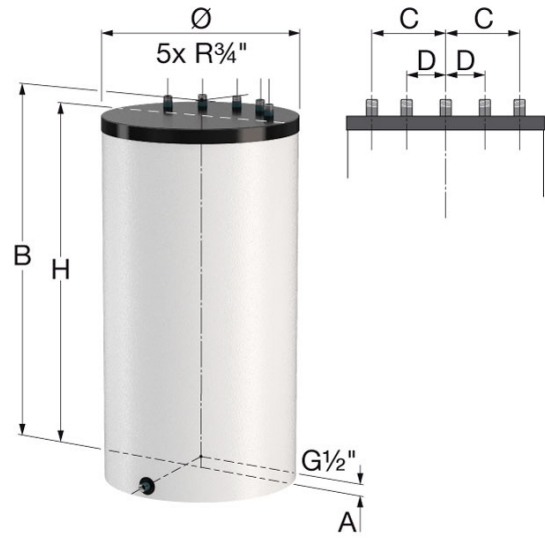
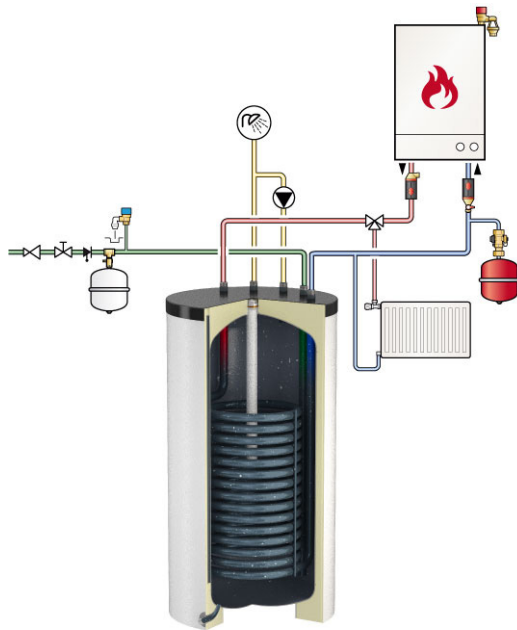
** At 80 °C supply temperature and 60 °C potable water temperature.



Insulation:

- Standard colour: white (RAL 9010).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.





Connection diagram:

Type	Distance from floor to connection centres			
	A [mm]	B [mm]	C [mm]	D [mm]
Aquacell UPS 110	35	805	165	95
Aquacell UPS 160	35	1055	165	95

Technical specifications:

Technical specifications	Aquacell UPS 110 - 160	
	110	160
Total heat loss (EN 12897) [W]	65	79
Energy label	C	C

Aquacell Load 200 - 300

Water storage heater for use in drinking water heating systems in conjunction with external heat exchangers. Robust and installation-friendly design. Foot height adjustment for quick and safe alignment.

- Permissible positive operating pressure: 10 bar.
- Permissible operating temperature: 95 °C (368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode (with an external current anode as standard from 1500 l upwards).



Sizes:

Type	Ca capacity [l]	Dimensions *			Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting- height [mm]				
Aquacell Load 200	200	560	1360	1500	white	55	1	418623
Aquacell Load 200	200	560	1360	1500	silver	55	1	418624
Aquacell Load 300	300	560	1860	2000	white	69	1	418633
Aquacell Load 300	300	560	1860	2000	silver	69	1	418634

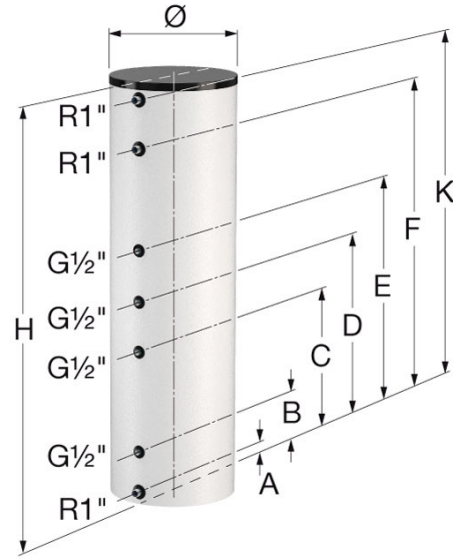
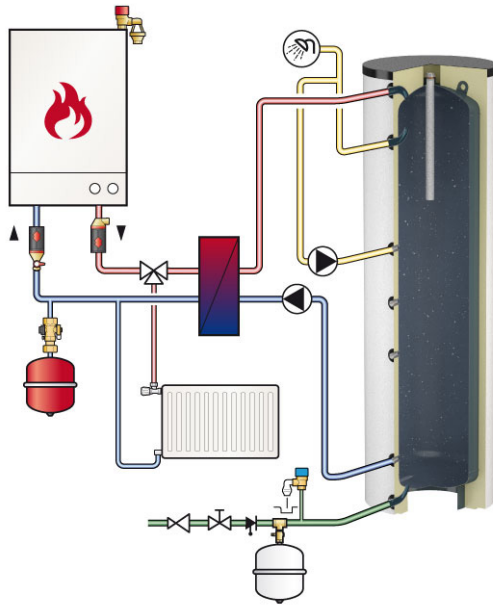
* Dimensions Including insulation.



Insulation:

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.





Connection diagram:

Type	Distance from floor to connection centres						
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]
Aquacell Load 200	65	245	545	710	885	1075	1285
Aquacell Load 300	65	245	690	910	1135	1575	1785

Technical specifications:

Technical specifications	Aquacell Load 200 - 300	
	200	300
Total heat loss (EN 12897) [W]	83	108
Energy label	C	D

Aquacell Load 500 - 3000

Water storage heater for use in drinking water heating systems in conjunction with external heat exchangers. Robust and installation-friendly design. Foot height adjustment for quick and safe alignment. Lateral inspection flange DN 110.

- Permissible positive operating pressure: 10 bar.
- Permissible operating temperature: 95 °C (368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode (with an external current anode as standard from 1500 l upwards).



Sizes:

Type	Ca capacity [l]	Dimensions *			Insulation colour	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting- height [mm]				
Aquacell Load 500	500	650	1640	1800	white	125	1	418630
Aquacell Load 500	500	650	1640	1800	silver	125	1	418635
Aquacell Load 750	750	750	1970	2070	white	190	1	418637
Aquacell Load 750	750	750	1970	2070	silver	190	1	418638
Aquacell Load 1000	1000	800	2230	2320	white	232	1	418640
Aquacell Load 1000	1000	800	2230	2320	silver	232	1	418641
Aquacell Load 1500	1500	1000	2320	2480	white	397	1	418643
Aquacell Load 1500	1500	1000	2320	2480	silver	397	1	418644
Aquacell Load 2000	2000	1100	2440	2600	white	474	1	418676
Aquacell Load 2000	2000	1100	2440	2600	silver	474	1	418647
Aquacell Load 3000	3000	1200	2830/1860	3000	white.	730	1	418654

* Dimensions Including insulation.

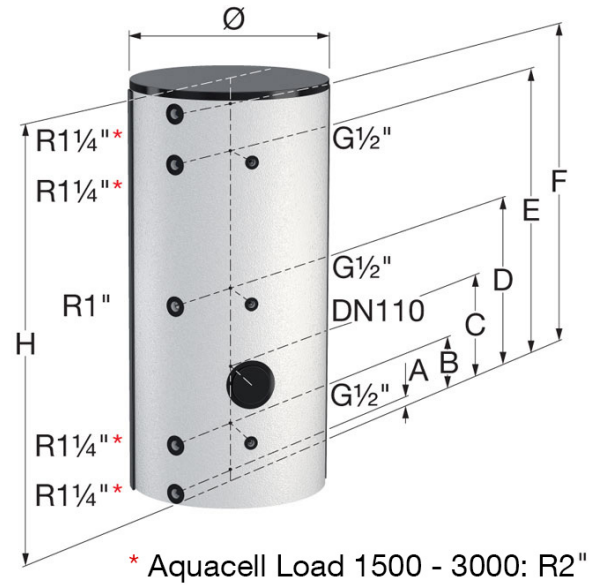
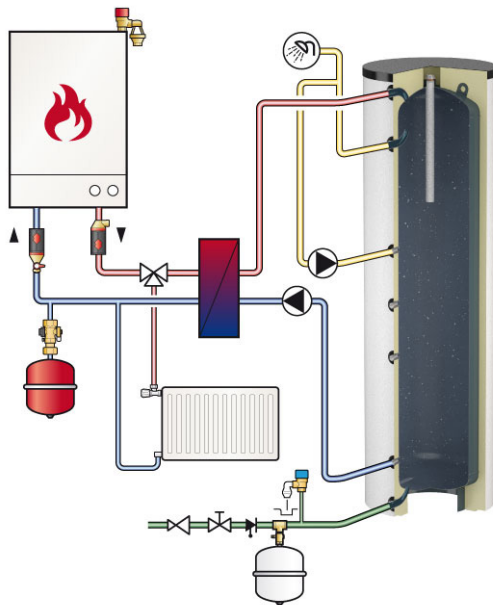


Insulation (inclusive):

- Standard colours: white (RAL 9010) and aluminium (RAL 9006).
- Including 100mm assembly-friendly fibre-fleece insulating mantle with a polystyrene outer shell (fire category B2).



potable water storage



Connection diagram:

Type	Distance from floor to connection centres					
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
Aquacell Load 500	60	285	485	830	1375	1600
Aquacell Load 750	60	300	637	970	1420	1900
Aquacell Load 1000	70	310	645	1100	1670	2160
Aquacell Load 1500	85	385	585	1160	1935	2235
Aquacell Load 2000	105	405	605	1180	1955	2235
Aquacell Load 3000	95	420	620	1420	2405	2730

Technical specifications:

Technical specifications	Aquacell Load 500 - 3000					
	500	750	1000	1500	2000	3000
Total heat loss (EN 12897) [W]	133,3	155,4	175	223,3	293,3	n/a
Energy label	D	n/a	n/a	n/a	n/a	n/a

Aquacell TS 120 - 200

Indirectly heated horizontal storage water heater with a welded-in straight-tube heat exchanger. Stable supporting structure (max. load from boiler weight: 300 kg). Complete system has minimal space requirements. Foot height adjustment for quick and safe alignment. Can be combined with all modern heating systems. Equipped with a thermometer and thermowell for the temperature sensor.



- Lateral cleaning and inspection flange DN 80.
- Permissible positive operating pressure: Heating coil / storage water heater: 10 bar / 10 bar.
- Permissible operating temperature: Heating coil / storage water heater: 110 °C / 95 °C (383 K / 368 K).
- High-quality enamelling according to DIN 4753/3 incl. Mg anode.

Sizes:

Type	Ca pacity [l]	Dimensions *		Heating surface area [m ²]	Heat- ingca- pacity [kW] **	Water capacity [l/h] **	Insulation colour	Weight [kg]	Pallet	Order Code
		F [mm]	H/E [mm]							
Aquacell TS 120	120	830	600	0,4	10,9	189	white	103	1	419170
Aquacell TS 150	150	1080	600	0,6	15,6	271	white	115	1	419180
Aquacell TS 200	200	1330	600	0,8	18,7	325	white	136	1	419190

* Dimensions Including insulation.

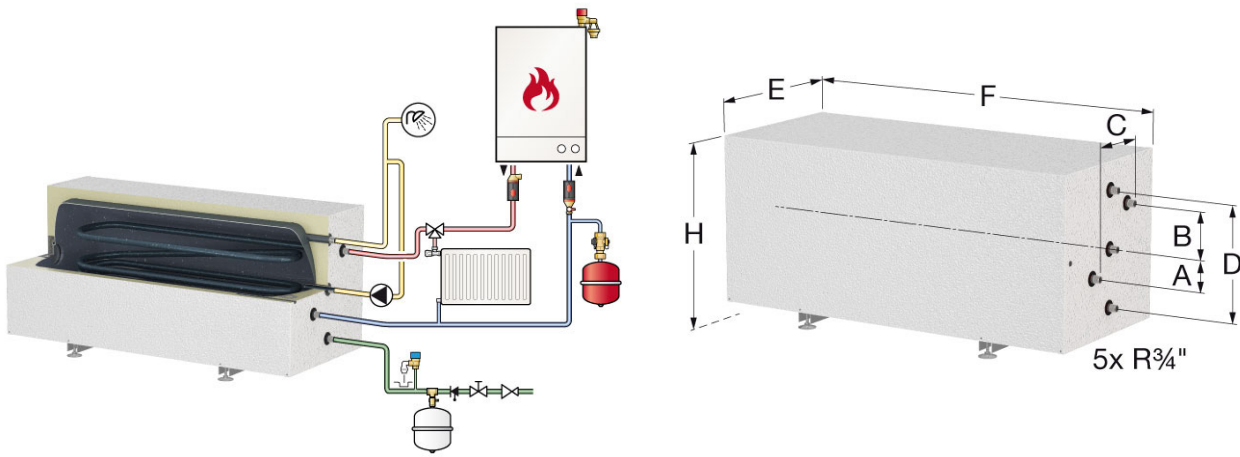
** At 80 °C supply temperature and 60 °C potable water temperature.



Insulation:

- Standard colours: white (RAL 9010).
- Including hard foam insulation (direct foam injection) with a polystyrene outer shell.





Connection diagram:

Type	Distance from floor to connection centres			
	A [mm]	B [mm]	C [mm]	D [mm]
Aquacell TS 120	130	75	220	380
Aquacell TS 150	130	75	220	380
Aquacell TS 200	130	75	220	380

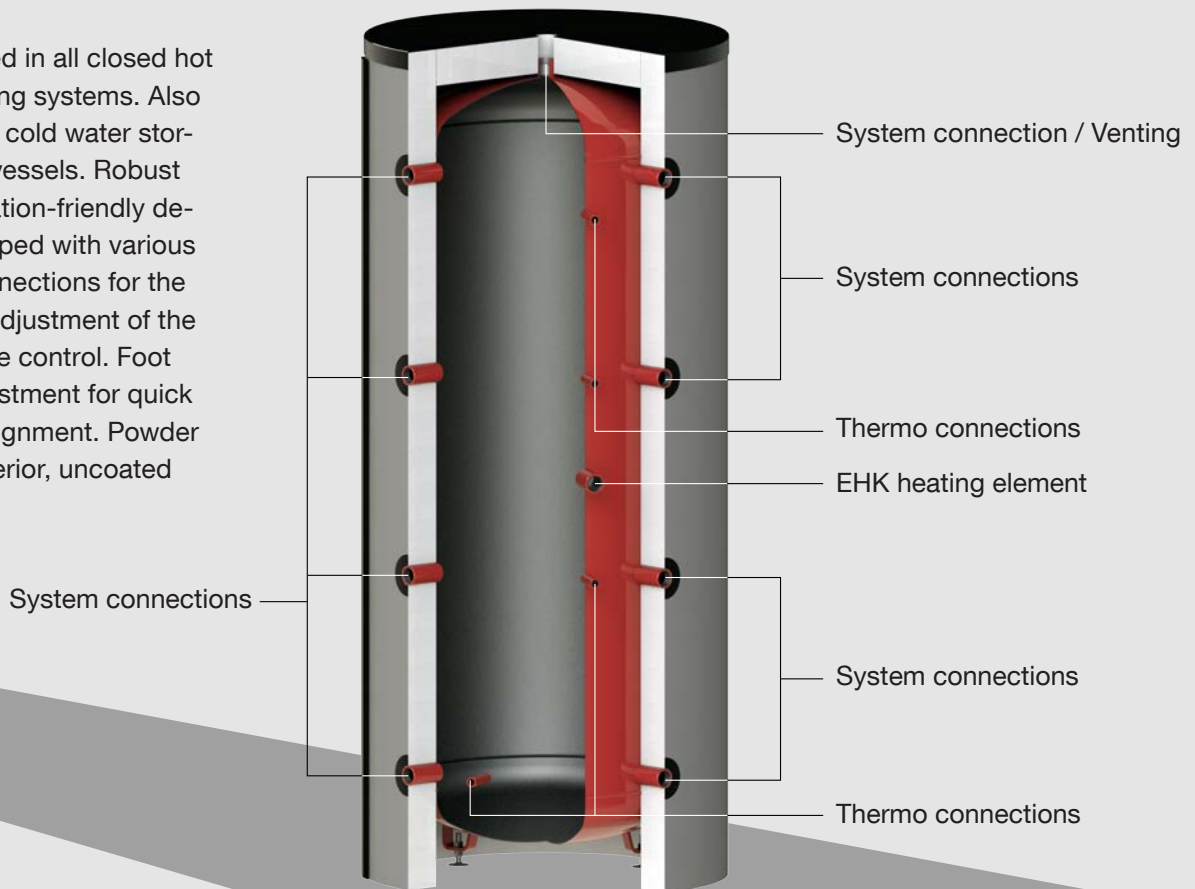
Technical specifications:

Technical specifications	Aquacell TS		
	120	150	150
Total heat loss (EN 12897) [W]	55	62	70
Energy label	C	C	C

Connections of a Buffer Vessels

SP

Can be used in all closed hot water heating systems. Also suitable for cold water storage water vessels. Robust and installation-friendly design. Equipped with various sensor connections for the individual adjustment of the temperature control. Foot height adjustment for quick and safe alignment. Powder coated exterior, uncoated interior.



SP-1WT

Buffer vessels for closed hot water heating systems with a welded-in straight-tube heat exchanger for the hydraulically separated integration of additional heating systems (e.g. the combination of solid fuel boilers with solar systems or similar). Robust and installation-friendly design. Equipped with various sensor connections for the individual adjustment of the temperature control. Foot height adjustment for quick and safe alignment. Powder coated exterior, uncoated interior.

Buffer vessels

Storage water heaters are used in a wide range of applications and can be combined with a variety of heat sources. Therefore, it is reassuring to know that there is a manufacturer that offers the best solution for every need. The equally extensive and flexible STAG range is characterized by absolutely first-class product quality. Our buffers are solid and almost maintenance-free. The use of high quality materials guarantees optimum protection against corrosion and, together with an environmentally friendly thermal insulation, ensures guaranteed energy savings. Modern production methods and qualified employees guarantee that you can rely on the quality of these products.

SP-2WT

Buffer vessels for closed hot water heating systems with a welded-in straight-tube heat exchanger for the hydraulically separated integration of additional heating systems (e.g. the combination of solid fuel boilers with solar systems or similar). Robust and installation-friendly design. Equipped with various sensor connections for the individual adjustment of the temperature control. Foot height adjustment for quick and safe alignment. Powder coated exterior, uncoated interior.



SP 200 - 5000 buffer vessels

Buffer vessels for use in closed heating installations. Can also be used as buffer vessel in cooling installations (insulation for cooling installations is not available; for buffer vessels for cooling installations provided with insulation, see PS/K buffer vessels).

- Permissible positive operating pressure: 3 bar.
- Permissible operating temperature: 95 °C (368 K)
- Steel vessel (made of S235JR): Outside provided powder-coated, inside untreated.



Sizes:

Type	Capacity [l]	Dimensions *			Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tiltingheight [mm]			
SP 200	200	480	1300	1350	47	1	418600
SP 300	300	550	1595	1650	66	1	418605
SP 500	500	650	1650	1700	80	1	418756
SP 600	600	650	2050	2100	93	1	419380
SP 750	750	790	1800	1850	102	1	418786
SP 850	850	790	1950	2000	140	1	418793
SP 1000 (Ø790)	1000	790	2200	2250	170	1	418885
SP 1000 (Ø850)	1000	850	2000	2050	172	1	418850
SP 1200	1200	850	2250	2300	175	1	418843
SP 1500	1500	1000	2320	2380	225	1	418816
SP 1800	1800	1100	2200	2250	272	1	418856
SP 2000	2000	1100	2350	2400	310	1	418826
SP 3000	3000	1250	2800	2900	586	1	418670
SP 4000	4000	1500	2950	3050	850	1	419340
SP 5000	5000	1600	3250	3350	970	1	419344

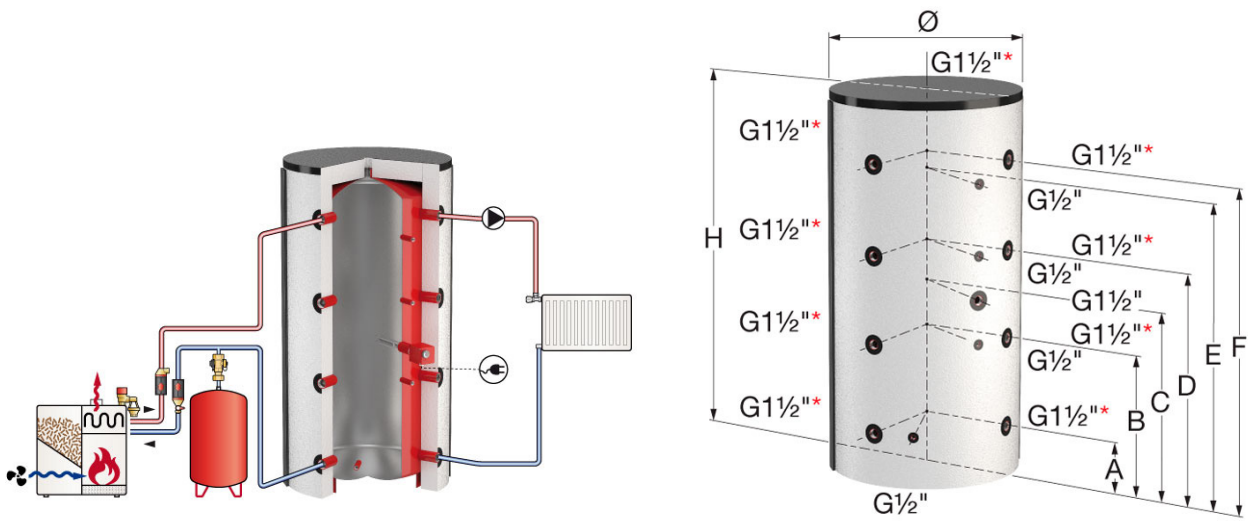
* Dimensions Excluding insulation.



Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).





* SP 3000 - 5000: G2.

Connection diagram:

Type	System connections	Distance from floor to connection centres					
		A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
SP 200	8	180	480	-	780	980	1080
SP 300	8	210	590	-	880	1260	1360
SP 500	8	180	600	770	1010	1330	1430
SP 600	8	180	730	980	1280	1730	1830
SP 750	8	270	690	940	1100	1420	1520
SP 850	8	270	740	970	1200	1570	1670
SP 1000 (Ø790)	8	270	820	1095	1370	1820	1920
SP 1000 (Ø850)	8	305	790	1075	1220	1605	1705
SP 1200	8	305	855	1195	1405	1855	1955
SP 1500	8	340	890	1230	1440	1890	1990
SP 1800	8	350	850	1100	1350	1750	1850
SP 2000	8	350	900	1310	1450	1900	2000
SP 3000	8	450	1060	1390	1720	2240	2330
SP 4000	8	540	1150	1480	1810	2330	2420
SP 5000	8	695	1305	1635	1965	2485	2575

Technical specifications:

Technical specifications	SP 200 - 5000														
	200	300	500	600	750	850	1000 Ø790	1000 Ø850	1200	1500	1800	2000	3000	4000	5000
Total heat loss (EN 12897) [W]	76,3	107,1	137,9	148,8	157,5	166,3	172,9	177,1	192,5	227,5	267,1	297,5	n/a	n/a	n/a
Energy label	C	D	D	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

n/a = not applicable.

SP-1WT 300 - 2000 indirectly heated buffer vessels

Buffer vessels for use in closed heating installations. Including a permanently welded-in heating coil for connecting additional heating sources (such as a solar installation).

- Permissible positive operating pressure: Buffer vessel/heating coil 3/10 bar.
- Permissible operating temperature: Buffer vessel/heating coil 95/110 °C (368/383 K).
- Steel vessel (made of S235JR): Outside provided powder-coated, inside untreated.



Sizes:

Type	Capacity [l]	Dimensions *			Heating surface area [m ²]	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]				
SP-1WT 300	300	550	1595	1650	1,0	93	1	419348
SP-1WT 500	500	650	1650	1700	1,6	102	1	419120
SP-1WT 600	600	650	2050	2100	2,0	124	1	419349
SP-1WT 750	750	790	1800	1850	2,1	134	1	419121
SP-1WT 850	850	790	1950	2000	2,3	175	1	419350
SP-1WT 1000 (Ø790)	1000	790	2200	2250	2,7	210	1	418845
SP-1WT 1000 (Ø850)	1000	850	2000	2050	2,7	208	1	419122
SP-1WT 1200	1200	850	2250	2300	2,9	225	1	419351
SP-1WT 1500	1500	1000	2320	2380	3,2	330	1	419123
SP-1WT 2000	2000	1100	2350	2400	5,0	380	1	419352

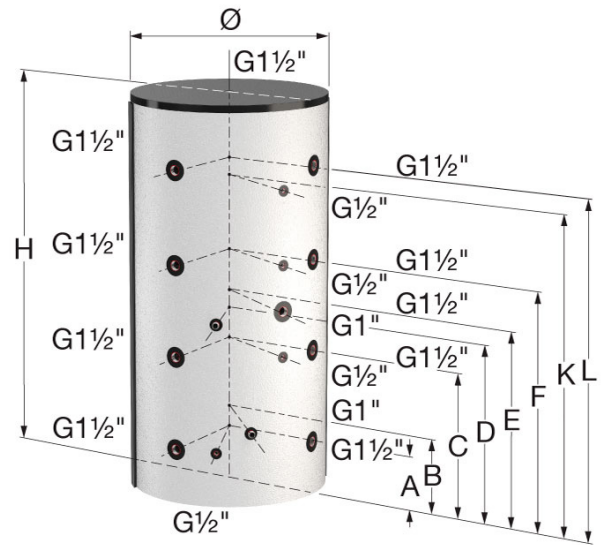
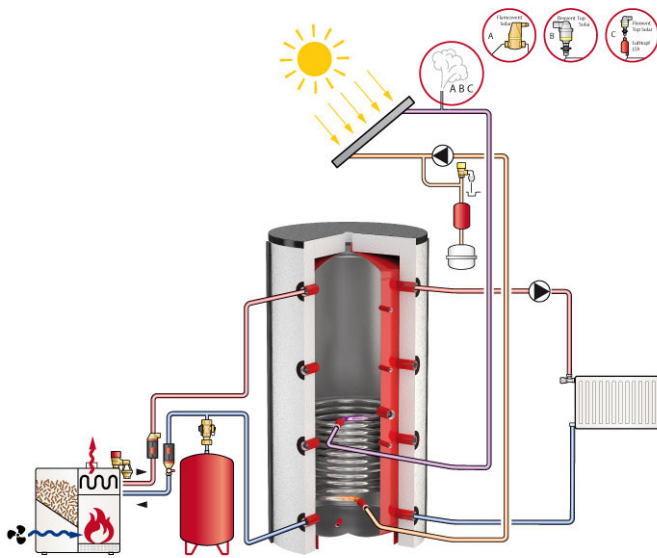
* Dimensions Excluding insulation.



Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).





Connection diagram:

Type	System connections	Distance from floor to connection centres							
		A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]
SP-1WT 300	8	210	310	590	750	-	880	1260	1360
SP-1WT 500	8	180	280	600	720	770	1010	1330	1430
SP-1WT 600	8	180	280	730	880	980	1280	1730	1830
SP-1WT 750	8	270	370	690	890	940	1100	1420	1520
SP-1WT 850	8	270	370	740	920	970	1200	1570	1670
SP-1WT 1000 (Ø790)	8	270	370	820	1010	1095	1370	1820	1920
SP-1WT 1000 (Ø850)	8	305	405	790	1005	1075	1220	1605	1705
SP-1WT 1200	8	305	405	855	1045	1195	1405	1855	1955
SP-1WT 1500	8	340	440	890	1040	1230	1440	1890	1990
SP-1WT 2000	8	350	450	900	1200	1310	1450	1900	2000

Technical specifications:

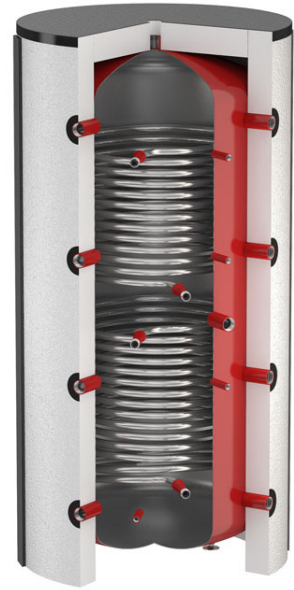
Technical specifications	SP-1WT 300 - 2000									
	300	500	600	750	850	1000 Ø790	1000 Ø850	1200	1500	2000
Total heat loss (EN 12897) [W]	106,6	137,3	148	156,8	165,5	172,2	176,3	191,7	226,7	296,2
Energy label	D	D	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

n/a = not applicable.

SP-2WT 600 - 2000 buffer vessels with two heating coils

Buffer vessels for use in closed heating installations. Including two permanently welded-in heating coils for connecting additional heating sources (such as a solar installation or wood-burning stove).

- Permissible positive operating pressure: Buffer vessel/heating coil 3/10 bar.
- Permissible operating temperature: Buffer vessel/heating coils 95/110 °C (368/383 K).
- Steel vessel (made of S235JR): Outside powder-coated, inside untreated.



Sizes:

Type	Capacity [l]	Dimensions *			Heating surface area ** [m²]	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]				
SP-2WT 600	600	650	2050	2100	1,5 / 2,0	146	1	419353
SP-2WT 750	750	790	1800	1850	1,5 / 2,1	156	1	419354
SP-2WT 850	850	790	1950	2000	2,0 / 2,3	205	1	419355
SP-2WT 1000 (Ø790)	1000	790	2200	2250	2,2 / 2,7	245	1	419356
SP-2WT 1000 (Ø850)	1000	850	2000	2050	2,2 / 2,7	243	1	419357
SP-2WT 1200	1200	850	2250	2300	2,6 / 2,9	261	1	419358
SP-2WT 1500	1500	1000	2320	2380	2,8 / 3,2	306	1	419359
SP-2WT 2000	2000	1100	2350	2400	3,5 / 5,0	396	1	419360

* Dimensions Excluding insulation.

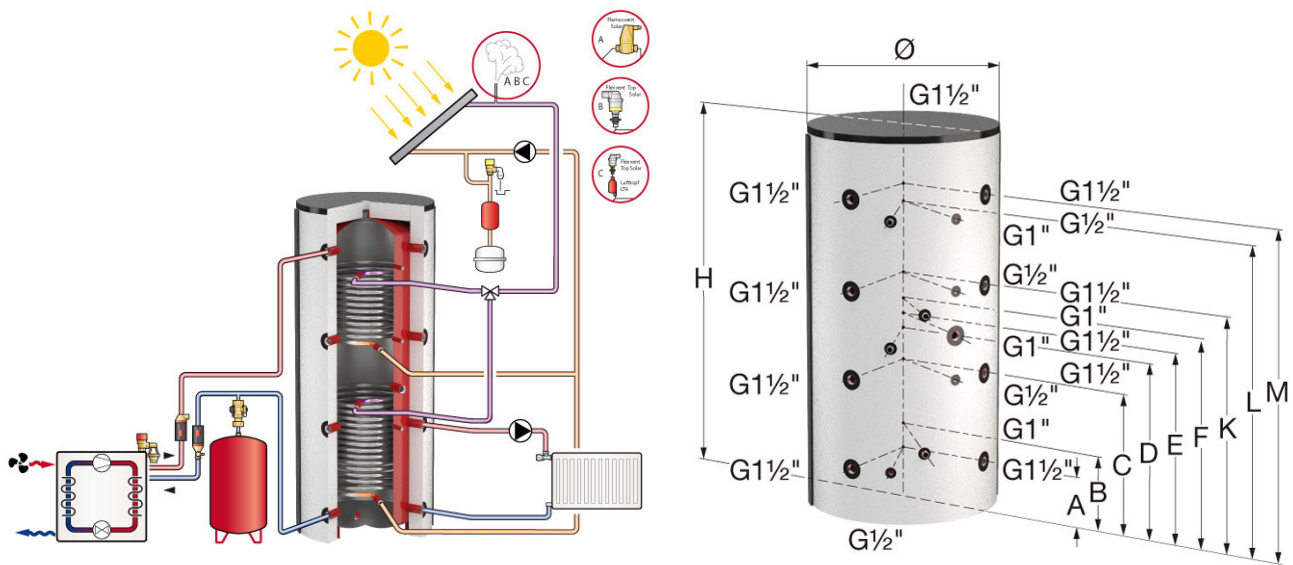
** Upper/lower heating surface area.



Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).





Connection diagram:

Type	System connections	Distance from floor to connection centres								
		A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]	M [mm]
SP-2WT 600	8	180	280	730	880	980	1240	1280	1680	1830
SP-2WT 750	8	270	370	690	890	940	1060	1100	1420	1520
SP-2WT 850	8	270	370	740	920	970	1090	1200	1570	1670
SP-2WT 1000 (Ø790)	8	270	370	820	1010	1095	1210	1370	1820	1920
SP-2WT 1000 (Ø850)	8	305	405	790	1005	1075	1125	1220	1605	1705
SP-2WT 1200	8	305	405	855	1045	1195	1295	1405	1855	1955
SP-2WT 1500	8	340	440	890	1040	1230	1370	1440	1890	1990
SP-2WT 2000	8	350	450	900	1200	1310	1380	1450	1900	2000

Technical specifications:

Technical specifications	SP-2WT 600 - 2000							
	600	750	850	1000 Ø790	1000 Ø850	1200	1500	2000
Total heat loss (EN 12897) [W]	147,4	156,3	164,9	171,6	175,7	191	226	295,3
Energy label	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

n/a = not applicable.

PS/K 500 - 3000 buffer vessel for use in refrigeration systems

A specially developed buffer vessel for use in refrigeration systems. Robust design and high flow capacity thanks to large flange connections. Equipped with three sensor connections G1/2" for the individual adjustment of the temperature control.

- Permissible positive operating pressure: 6 bar.
- Min. permissible operating temperature: -20 °C.
- Max. permissible operating temperature: +50 °C.
- Vessel made of high-grade steel S235JR. High corrosion resistance due to external powder coating.
- With height-adjustable feet.



Sizes:

Type	Capacity [l]	Dimensions *			Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tiltingheight [mm]			
PS/K 500	600	650	1640	1700	114	1	418560
PS/K 750	750	790	1970	2000	164	1	418561
PS/K 1000	1000	790	2220	2260	170	1	418562
PS/K 1500	1500	1000	2320	2380	281	1	418563
PS/K 2000	2000	1100	2350	2400	368	1	418564
PS/K 2500	2500	1200	2650	2700	522	1	418565
PS/K 3000	3000	1250	2830	3000	592	1	418566

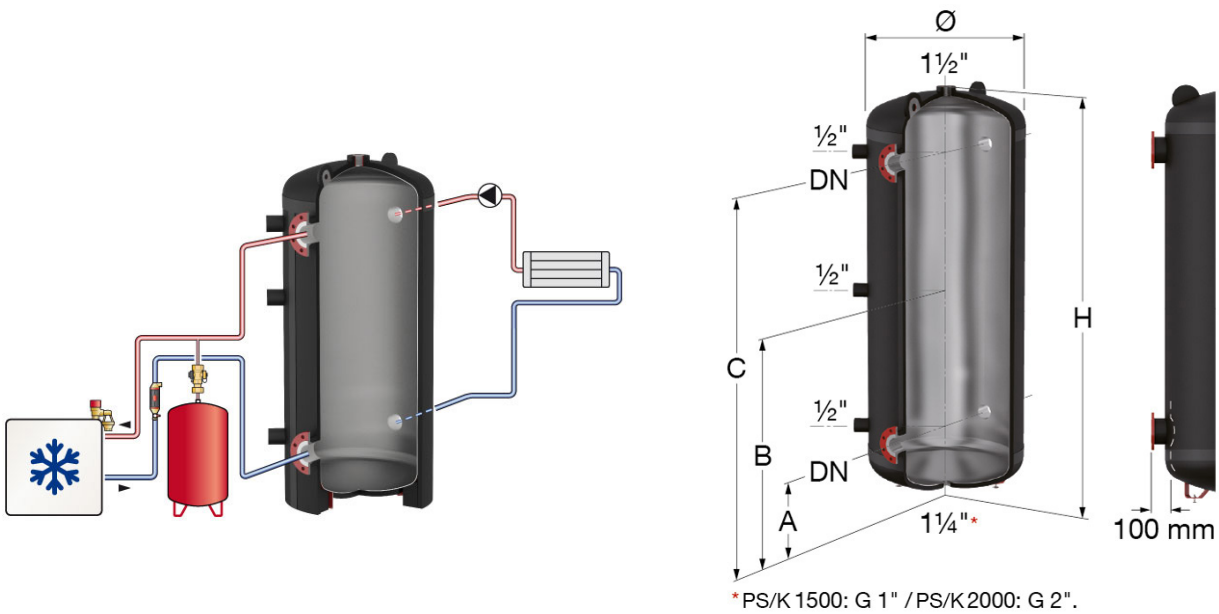
* Dimensions Excluding insulation.



Storage water heater insulation (to be ordered separately):

- Cold insulation: Specially developed 25 mm thick elastomer insulation with a closed cell structure (fire protection class B1) for cold water applications.





Connection diagram:

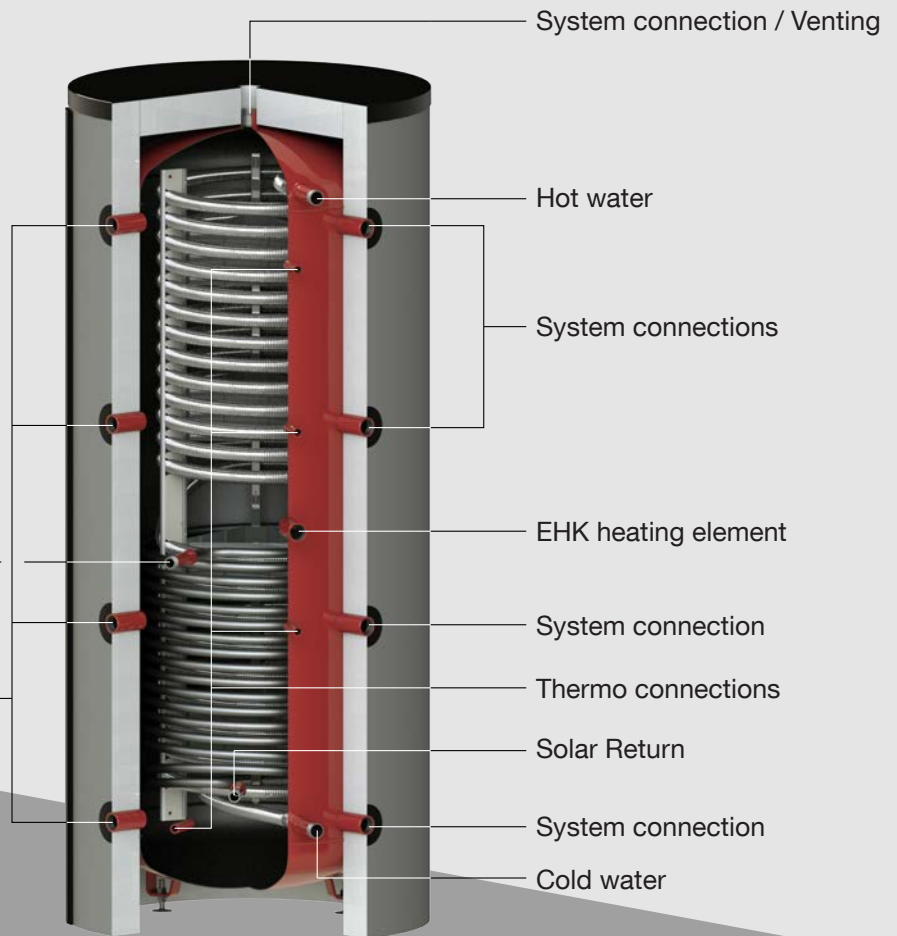
Type	System connections	DN	Distance from floor to connection centres		
			A [mm]	B [mm]	C [mm]
PS/K 500	4	65	305	810	1315
PS/K 750	4	80	350	970	1590
PS/K 1000	4	80	355	1100	1845
PS/K 1500	4	80	420	1165	1910
PS/K 2000	4	100	440	1175	1910
PS/K 2500	4	125	480	1320	2160
PS/K 3000	4	125	600	1440	2280

Connections of combi water heater

SP-T1WT

Storage water heater for the combination of several heating systems, such as solid fuel, oil or gas boilers, heat pumps and solar systems in conjunction with hygienic drinking water heating in a large, integrated stainless steel corrugated tube heat exchanger. Solar integration through a welded-in straight-tube heat exchanger. Uncoated buffer vessel interior, temperature-resistant coating on the exterior. Foot height adjustment for quick and safe alignment. Robust and installation-friendly design.

Solar Supply
System connections



SP-T

Storage water heater for the combination of several heating systems, such as solid fuel, oil or gas boilers and heat pumps in conjunction with hygienic drinking water heating in a large, integrated stainless steel corrugated tube heat exchanger. Uncoated buffer vessel interior, temperature-resistant coating on the exterior. Foot height adjustment for quick and safe alignment. Robust and installation-friendly design. Solar heating support possible through an external heat exchanger.

Combi Water Heaters

Heating and drinking water combined

In contrast to the indirectly heated storage water heaters, where the drinking water in the vessel is heated by a heat exchanger, the drinking water flows through a stainless steel corrugated or is located in an enamelled inner vessel and is cooled by the heating water, Buffer memory is heated.

SP-K1WT

Storage water heater for the combination of several heating systems, such as solid fuel, oil or gas boilers and solar systems in conjunction with water heating. Space-saving solution. Equipped with various sensor connections for the individual adjustment of the temperature control and foot height adjustment for quick and safe alignment. Cold water inlet for drinking water in the lower part of the storage water heater so that the stratification is not disturbed.



SP-K

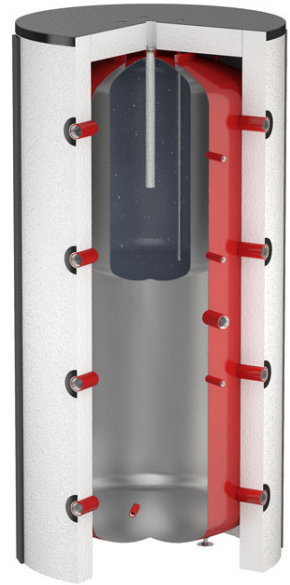
Space-saving water heater and buffer vessel in one for combining several heating systems (such as solid fuel, oil and gas boilers) with potable water heating.



SP-K 500 - 1000 combi water heaters

Space-saving water heater and buffer vessel in one for combining several heating systems (such as solid fuel, oil and gas boilers) with potable water heating.

- Permissible positive operating pressure: Buffer vessel / process water storage water heater 3/10 bar.
- Permissible operating temperature: Buffer vessel / process water storage water heater 95 °C (368 K).
- High-quality enamelling according to DIN 4753/3 in the process water storage water heater incl. Mg anode. Rust protection primer on the outer surface of the buffer vessel.



Sizes:

Type	Capacity		Dimensions *			Weight [kg]	Pallet	Order Code
	Total [l]	Process water [l]	Ø [mm]	H [mm]	Tilting-height [mm]			
SP-K 500	500	155	650	1610	1700	107	1	419361
SP-K 600	600	155	650	2010	2100	130	1	419362
SP-K 750	750	155	790	1760	1850	138	1	419363
SP-K 850	850	175	790	1930	2000	180	1	419364
SP-K 1000	1000	215	790	2180	2250	220	1	419365

* Dimensions Excluding insulation.

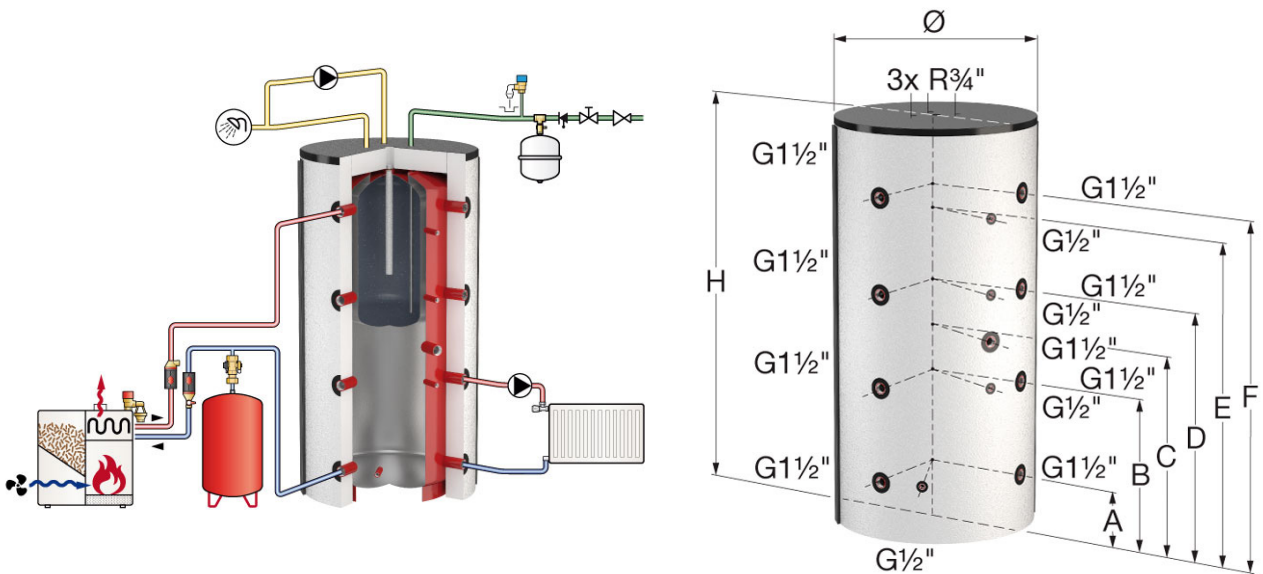


Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).



combi water heaters



Connection diagram:

Type	Distance from floor to connection centres					
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
SP-K 500	180	600	770	1010	1330	1430
SP-K 600	180	730	980	1280	1730	1830
SP-K 750	270	690	940	1100	1420	1520
SP-K 850	270	740	970	1200	1570	1670
SP-K 1000	270	820	1095	1370	1820	1920

Technical specifications:

Technical specifications	SP-K 500 - 1000				
	500/155	600/155	750/155	850/175	1000/215
Total heat loss (EN 12897) [W]	136,4	147,5	156,4	165,1	171,8
Energy label	D	n/a	n/a	n/a	n/a

n/a = not applicable.

SP-K1WT 500 - 1000 combi water heaters with heating coil

Space-saving water heater and buffer vessel in one for combining several heating systems (such as solid fuel, oil and gas boilers) with potable water heating. Including a permanently welded-in heating coil for coupling to additional heating sources (such as a solar installation).

- Permissible positive operating pressure: Buffer vessel/process water storage water heater 3/10 bar, heating coil 10 bar.
- Permissible operating temperature: Buffer vessel/process water storage water heater 95 °C (368 K), heating coil 110 °C (383 K).
- High-quality enamelling according to DIN 4753/3 in the process water storage water heater incl. Mg anode. Rust protection primer on the outer surface of the buffer vessel.



Sizes:

Type	Capacity		Dimensions *			Heating surface area Rohrschlange [m ²]	Heating-capacity [kW]	Water-capacity [l/h]	Weight [kg]	Pallet	Order Code
	Total [l]	Process water [l]	Ø [mm]	H [mm]	Tilting-height [mm]						
SP-K1WT 500	500	155	650	1610	1700	1,6	40,6	642	138	1	419361
SP-K1WT 600	600	155	650	2010	2100	2,0	40,6	642	160	1	419362
SP-K1WT 750	750	155	790	1760	1850	2,1	47,4	749	170	1	419363
SP-K1WT 850	850	175	790	1930	2000	2,3	47,4	749	215	1	419364
SP-K1WT 1000	1000	215	790	2180	2250	2,7	55,1	870	260	1	419365

* Dimensions Excluding insulation.

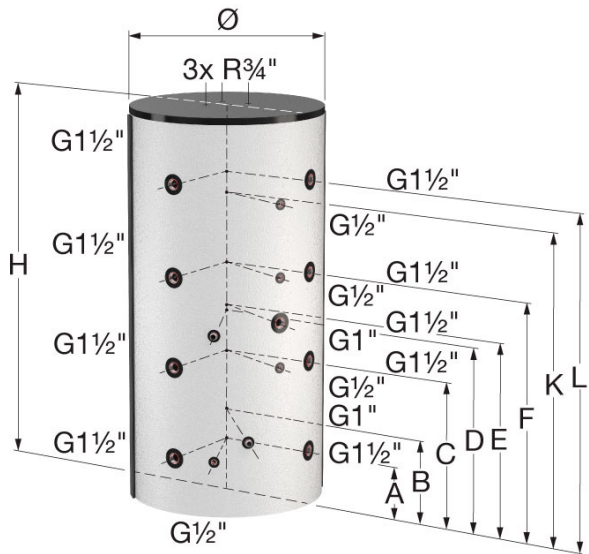
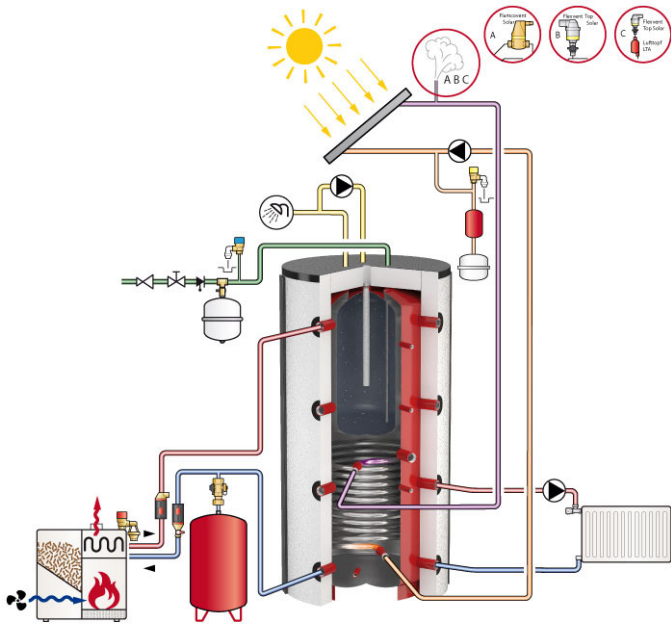


Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).



combi water heaters



Connection diagram:

Type	Distance from floor to connection centres							
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]
SP-K1WT 500	180	280	600	770	770	1010	1330	1430
SP-K1WT 600	180	280	730	880	980	1280	1730	1830
SP-K1WT 750	270	370	690	890	940	1100	1420	1520
SP-K1WT 850	270	370	740	920	970	1200	1570	1670
SP-K1WT 1000	270	370	820	1010	1095	1370	1820	1920

Technical specifications:

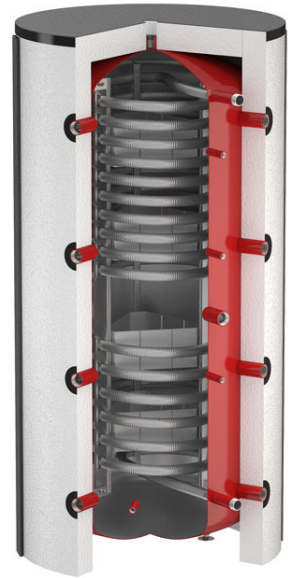
Technical specifications	SP-K1WT 500 - 1000				
	500/155	600/155	750/155	850/175	1000/215
Total heat loss (EN 12897) [W]	136,4	147,5	156,4	164,4	171
Energy label	D	n/a	n/a	n/a	n/a

n/a = not applicable.

SP-T 500 - 2000 combi water heaters

Combined buffer and flow-through vessel. For combining several heating systems (such as solid fuel, oil and gas boilers) with potable water heating. Potable water heating by means of stainless steel ribbed heating coil. The capacity of the potable water coil is approx. 40 litres to guarantee the convenience of direct hot water supply.

- Permissible positive operating pressure of corrugated tube heat exchanger: 6 bar.
- Permissible operating temperature of corrugated tube heat exchanger: 95 °C (368 K).
- Permissible positive operating pressure of buffer vessel: 3 bar.
- Permissible operating temperature of buffer vessel: 95 °C (368 K)



Sizes:

Type	Capacity [l]	Dimensions *			Heating surface area [m ²]	Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]				
SP-T 500	500	650	1650	1700	3,7	106	1	419373
SP-T 600	600	650	2050	2100	3,7	120	1	419374
SP-T 750	750	790	1800	1850	3,7	126	1	418151
SP-T 850	850	790	1950	2000	5,4	180	1	419375
SP-T 1000	1000	790	2200	2250	7,2	210	1	418161
SP-T 1200	1200	850	2250	2300	7,4	217	1	419376
SP-T 1500	1500	1000	2320	2380	7,4	265	1	419377
SP-T 2000	2000	1100	2350	2400	10,5	310	1	419378

* Dimensions Excluding insulation.

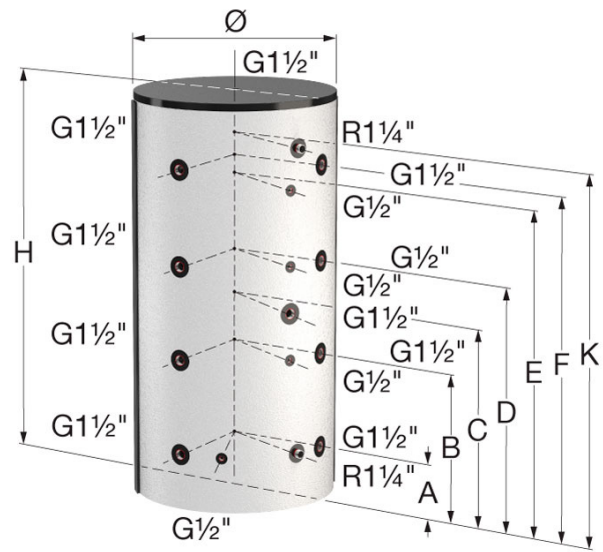
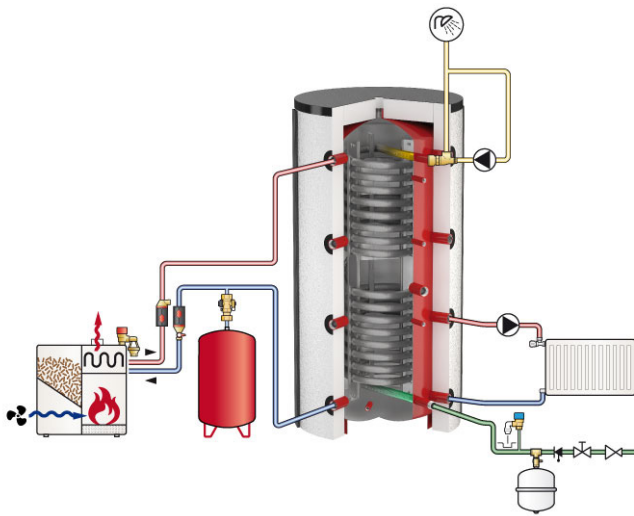


Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).



combi potable water heaters



Connection diagram:

Type	Distance from floor to connection centres						
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]
SP-T 500	180	600	770	1010	1330	1430	1430
SP-T 600	180	730	980	1280	1730	1830	1830
SP-T 750	270	690	940	1100	1420	1520	1620
SP-T 850	270	740	970	1200	1570	1670	1770
SP-T 1000	270	820	1095	1370	1820	1920	2020
SP-T 1200	305	855	1195	1405	1855	1955	2055
SP-T 1500	340	890	1230	1440	1890	1990	2090
SP-T 2000	350	900	1310	1450	1900	2000	2100

Technical specifications:

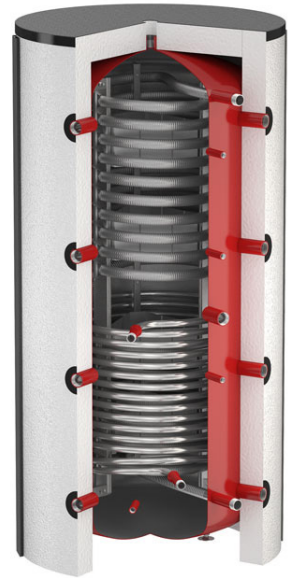
Technical specifications	SP-T 500 - 2000							
	500	600	750	850	1000	1200	1500	2000
Total heat loss (EN 12897) [W]	137,1	148	156,9	165,5	172,2	191,8	226,8	296,8
Energy label	D	n/a	n/a	n/a	n/a	n/a	n/a	n/a

n/a = not applicable.

SP-T1WT 500 - 2000 combi water heaters with heating coils

Combined buffer and flow-through vessel. For combining several heating systems (such as solid fuel, oil and gas boilers) and a second heating coil for separate additional heating of solarenergy installations in combination with potable water heating. Potable water heating by means of a stainless steel ribbed heating coil. The capacity of the potable water coil is approx. 40 litres to guarantee the convenience of direct hot water supply.

- Permissible positive operating pressure of corrugated tube heat exchanger: 6 bar.
- Permissible operating temperature of corrugated tube heat exchanger: 95 °C (368 K).
- Permissible positive operating pressure of solar heating coil: 10 bar.
- Permissible operating temperature of solar heating coil: 110 °C (383 K).
- Permissible positive operating pressure of buffer vessel: 3 bar.
- Permissible operating temperature of buffer vessel: 95 °C (368 K).



Sizes:

Type	Capacity [l]	Dimensions *			Heating surface area		Weight [kg]	Pallet	Order Code
		Ø [mm]	H [mm]	Tilting-height [mm]	Potable water [m²]	Solar [m²]			
SP-T1WT 500	500	650	1650	1700	3,7	1,6	118	1	418162
SP-T1WT 600	600	650	2050	2100	3,7	2,0	148	1	419368
SP-T1WT 750	750	790	1800	1850	3,7	2,1	158	1	418190
SP-T1WT 850	850	790	1950	2000	5,4	2,3	215	1	419369
SP-T1WT 1000	1000	790	2200	2250	7,2	2,7	250	1	418195
SP-T1WT 1200	1200	850	2250	2300	7,4	2,9	262	1	419370
SP-T 1WT1500	1500	1000	2320	2380	7,4	3,2	309	1	419371
SP-T1WT 2000	2000	1100	2350	2400	10,5	5,0	421	1	419372

* Dimensions Excluding insulation.

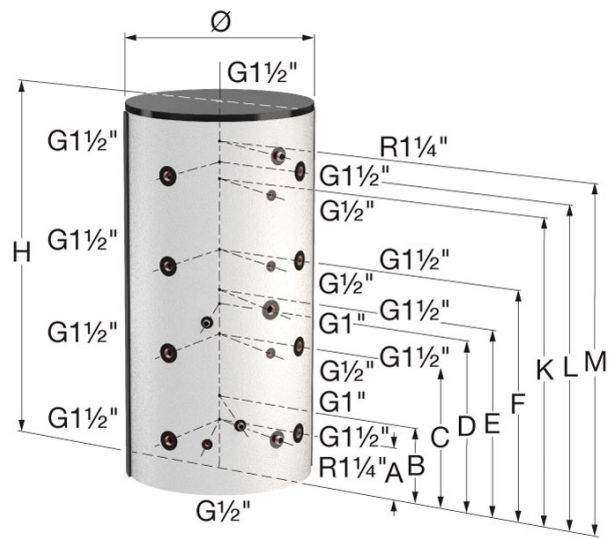
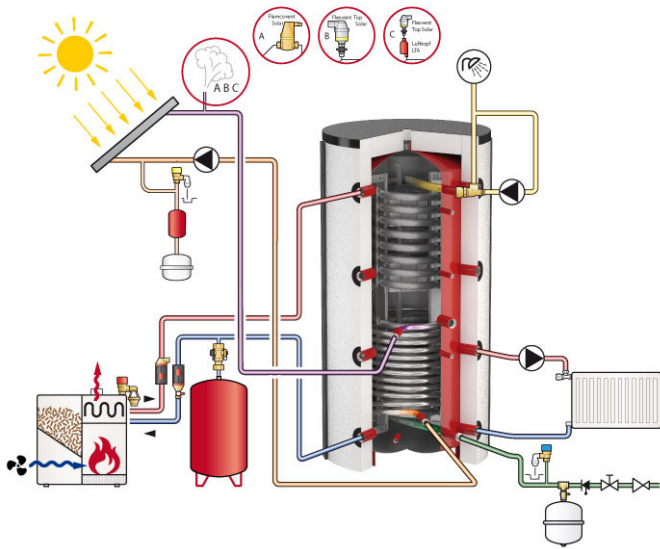


Storage water heater insulation (to be ordered separately):

- Thermal insulation (only for heating systems): 100 mm fleece insulation with a polystyrene outer layer as an installation-friendly kit.
- Fleece insulation complies with fire protection class B2 according to DIN 4102.
- Standard insulation colours: white (RAL 9010) and white aluminium (RAL 9006).



combi potable water heaters



Connection diagram:

Type	Distance from floor to connection centres								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]	M [mm]
SP-T1WT 500	180	280	600	720	770	1010	1330	1430	1430
SP-T1WT 600	180	280	730	880	980	1280	1730	1830	1830
SP-T1WT 750	270	370	690	890	940	1100	1420	1520	1620
SP-T1WT 850	270	370	740	920	970	1200	1570	1670	1770
SP-T1WT 1000	270	370	820	1010	1095	1370	1820	1920	2020
SP-T1WT 1200	305	405	855	1045	1195	1405	1855	1955	2055
SP-T1WT 1500	340	440	890	1040	1230	1440	1890	1990	2090
SP-T1WT 2000	350	450	900	1200	1310	1450	1900	2000	2100

Technical specifications:

Technical specifications	SP-T1WT 500 - 2000							
	500	600	750	850	1000	1200	1500	2000
Total heat loss (EN 12897) [W]	136,5	147,2	156,2	164,8	171,4	191	226	295,5
Energy label	D	n/a	n/a	n/a	n/a	n/a	n/a	n/a

n/a = not applicable.

EHK Heating Element

- Threaded heating element with connection G 1 1/2".

Type	Connection voltage [V]	Output [kW]	Fitted length [mm]	connection	VPE	Order Code
EHK 2 ^{1) 2)}	230	2,0	320	G 1 1/2"	1	418930
EHK 3 ^{1) 2)}	400	3,0	390	G 1 1/2"	1	418931
EHK 4,5 ^{1) 2)}	400	4,5	470	G 1 1/2"	1	418932
EHK 6 ²⁾	400	6,0	620	G 1 1/2"	1	418933
EHK 7,5	400	7,5	720	G 1 1/2"	1	418934
EHK 9	400	9,0	780	G 1 1/2"	1	418935



¹⁾ EHK 2 to 4.5 for incorporation in Aquacell Duo 150-300, Aquacell Solar 300.

Please order Blind flange DN 110 including G 1 1/2" nut.

²⁾ Installation in Aquacell Duo / Aquacell Solar 300 possible through lower hose connection with G 1 1/2" thread. With EHK 3 and above in 400 and 500 litre vessels the Mg Anode has to be replaced by an impressed anode. EHK 6 can only be used for 400 litre vessels and above.

EHF Heating Element (Incoloy)

- Not suitable for Aquacell Duo 150-300 and Aquacell Solar 300.

Type	Connection voltage [V]	Output [kW]	Fitted length [mm]	System Connection	VPE	Order Code
EHF 2,5	400	2,5	450	DN 110	1	418910
EHF 3	400	3,0	450	DN 110	1	418911
EHF 3,8	400	3,8	450	DN 110	1	418912
EHF 5	400	5,0	450	DN 110	1	418913
EHF 6	400	6,0	450	DN 110	1	418914
EHF 7,5	400	7,5	450	DN 110	1	418915
EHF 10	400	10,0	450	DN 110	1	418916
EHF 12 *	400	12,0	530	DN 110	1	418917



* External contactors for temperature control and safety temperature required.

TR Immersion Pipe

- For temperature sensor.

Type	connection	length [mm]	VPE	Order Code
TR G 1/2 / 300	G 1/2"	300	1	418955
TR G 3/4 / 200	G 3/4"	200	1	418956



Accessories for Water Heaters and Storage Vessels

RWT Finned-pipe Heat Exchanger

Type	Flange DN	Male thread	Fitted length [mm]	Heating surface [m ²]	VPE	Order Code
RWT 1	-	G ½"	490	1	1	418940
RWT 1	110	G ½"	490	1	1	419941
RWT 1	205	G ½"	490	1	1	419943
RWT 1,8	-	G ¾"	470	1,8	1	418941
RWT 1,8	205	G ¾"	470	1,8	1	419945
RWT 2,3	-	G ¾"	550	2,3	1	418942
RWT 2,3	205	G ¾"	550	2,3	1	419947
RWT 3	-	G ¾"	490	3,0	1	418943
RWT 3	205	G ¾"	490	3,0	1	419948
RWT 4,6	-	G 1"	790	4,6	1	418944
RWT 4,6	205	G 1"	790	4,6	1	419949



IVS Isolating Joints

- For the RWT finned-pipe heat exchange.

Type	VPE	Order Code
IVS - G ½	1	418945
IVS - G ¾	1	418946
IVS - G 1	1	418947



TH Tank Thermometer

Type	VPE	Order Code
TH 50/40 ½"	1	418928
TH 63/100 ½"	1	418925
TH 80/100 ½"	1	418926
Built-in thermometer with capillary sensor	1	418927



FSA Anode

- Maintenance free anode for Aquacell Duo, Aquacell Solar, Aquacell Load, Aquacell TS, SP-K1WT and Aquacell USP.

Type	Used for	Connection	Fitted length [mm]	VPE	Order Code
FSA 400	Aquacell Duo 120-500, Aquacell Solar 200-500, Aquacell USP 110-160, Aquacell Load 200-750, PS/K	G ¾" M	400	1	418960
FSA 800	Aquacell Solar 750-1000, Aquacell Load 1000	G ¾" M	800	1	418961
FSA 401	Aquacell USP 110-160, Aquacell TS 120-200	M 8 M	400	1	418962
FSA 801	Aquacell Duo 1000 (Ø 850)	M 8 M	800	1	418962



MgA Anode

- Magnesium replaceable anode. Non insulated version.

Type	Used for	Connection	Fitted length [mm]	VPE	Order Code
MgA 500 – M	Aquacell Duo 120-300, Aquacell Load 200-500, Aquacell USP 110-160, SP-K1WT	G 1 ¼" M	500	1	418970
MgA 700 – M	Aquacell Duo 400-500, Aquacell Solar 300-400, Load 750	G 1 ¼" M	700	1	418971
MgA 700 – L 22	Aquacell TS 120-200, Aquacell USP 110-160	M 8 M	700	1	418974
MgA 900 – M	Aquacell Solar 500, Aquacell Load 1000, Aquacell HLS 300-400, Aquacell HLS-Solar 400	G 1 ¼" M	900	1	418973
MgA 1100 – M	Aquacell HLS 500, Aquacell Solar 500	G 1 ¼" M	1100	1	418977
MgA 1500 – M	Aquacell Solar 750 – 1000	G 1 ¼" M	1500	1	418975
MgA 1500 – L	Aquacell Duo 1000 (Ø 850)	M 8 M	1500	1	418976



Accessories for Water Heaters and Storage Vessels

Reducing Flange

- With double enamelling, gasket and M 12 bolts, to fit heating elements(screwed, flanged)

Type	VPE	Order Code
Reducing flange DN 205 / DN 110	1	418920
Reducing flange DN 110 / G 1 ½ *	1	418967

* For assembly of threaded heating element EHK. With bushing G 1 ½".



Blind Flange

- Same corrosion protection as the vessel.
- Bolts and gasket included.

Type	VPE	Order Code
Blind flang DN 110	1	418980
Blind flang DN 205	1	418922



Foot Levelling Set

- Set of 3 adjustable feet.

Type	Application	VPE	Order Code
Foot levelling set	Aquacell Duo 120 – 500, Aquacell Solar 200 – 500, Aquacell HLS 300 – 500, Aquacell HLS Solar	1	418989
Foot levelling set	SP-T1WT / SP-T 750 – 1000	1	418152



Insulation cap

Type	VPE	Order Code
EPP-cap for storage sockets with 1 bis 1 ½" / Ø 100 mm	1	418938



Type	Thermometer				Plunge pipe		Screw-in heating element				Magnesium anode				Maintenance-free anode									
	TH 50/40	TH 63/100	TH 80/100	Built-in thermometer	TR 1/2" L = 300	TR 3/4" L = 200	EHK 2	EHK 3	EHK 4,5	EHK 6	EHK 7,5	EHK 9	MgA 500 - M	MgA 700 - M	MgA 700 - L 22	MgA 900 - M	MgA 1100 - M	MgA 1500 - M	MgA 1500 - L	FSA 400	FSA 800	FSA 401	FSA 801	
SP	200		•	•			•	•	•															
	300		•	•			•	•	•															
	500		•	•			•	•	•	•														
	600		•	•			•	•	•	•														
	750		•	•			•	•	•	•	•													
	850		•	•			•	•	•	•	•	•												
	1000 / Ø790		•	•			•	•	•	•	•	•												
	1000 / Ø850		•	•			•	•	•	•	•	•												
	1200		•	•			•	•	•	•	•	•												
	1500		•	•			•	•	•	•	•	•												
	1800		•	•			•	•	•	•	•	•												
	2000		•	•			•	•	•	•	•	•												
	3000		•	•			•	•	•	•	•	•												
	4000		•	•			•	•	•	•	•	•												
5000		•	•			•	•	•	•	•	•													
SP-1WT	300		•	•			•	•	•															
	500		•	•			•	•	•															
	600		•	•			•	•	•	•														
	750		•	•			•	•	•	•	•													
	850		•	•			•	•	•	•	•													
	1000 / Ø790		•	•			•	•	•	•	•													
	1000 / Ø850		•	•			•	•	•	•	•													
	1200		•	•			•	•	•	•	•													
	1500		•	•			•	•	•	•	•													
	2000		•	•			•	•	•	•	•													
SP-2WT	600		•	•			•	•	•															
	750		•	•			•	•	•	•														
	850		•	•			•	•	•	•														
	1000 / Ø790		•	•			•	•	•	•														
	1000 / Ø850		•	•			•	•	•	•														
	1200		•	•			•	•	•	•														
	1500		•	•			•	•	•	•														
	2000		•	•			•	•	•	•														
PS/K	500		•	•																				
	750		•	•																				
	1000 / Ø790		•	•																				
	1500		•	•																				
	2000		•	•																				
	2500		•	•																				
	3000		•	•																				
Code	418928	418925	418926	418927	418955	418956	418930	418931	418932	418933	418934	418935	418970	418971	418974	418973	418977	418975	418976	418960	418961	418962	418963	

Accessories for Water Heaters and Storage Vessels

Type	Thermometer				Plunge pipe		Screw-in heating element				Magnesium anode						Maintenance-free anode						
	TH 50/40	TH 63/100	TH 80/100	Einbauthermometer	TR 1/2" L = 300	TR 3/4" L = 200	EHK 2	EHK 3	EHK 4,5	EHK 6	EHK 7,5	EHK 9	MgA 500 – M	MgA 700 – M	MgA 700 – L 22	MgA 900 – M	MgA 1100 – M	MgA 1500 – M	MgA 1500 – L 22	FSA 400	FSA 800	FSA 401	FSA 801
SP-K	500/155	•	•		•		•	•	•	•			•							•			
	600/155	•	•		•		•	•	•				•							•			
	750/155	•	•		•		•	•	•	•			•							•			
	850/175	•	•		•		•	•	•	•			•							•			
	1000/215	•	•		•		•	•	•	•	•		•							•			
SP-K1WT	500/155	•	•		•		•	•	•	•			•							•			
	600/155	•	•		•		•	•	•				•							•			
	750/155	•	•		•		•	•	•	•			•							•			
	850/175	•	•		•		•	•	•	•			•							•			
	1000/215	•	•		•		•	•	•	•	•		•							•			
SP-T	500	•	•		•		•	•	•	•			•										
	600	•	•		•		•	•	•	•			•										
	750	•	•		•		•	•	•	•			•										
	850	•	•		•		•	•	•	•			•										
	1000	•	•		•		•	•	•	•			•										
	1200	•	•		•		•	•	•	•			•										
	1500	•	•		•		•	•	•	•			•										
	2000	•	•		•		•	•	•	•	•		•										
SP-T1WT	500	•	•		•		•	•	•	•			•										
	600	•	•		•		•	•	•	•			•										
	750	•	•		•		•	•	•	•			•										
	850	•	•		•		•	•	•	•			•										
	1000	•	•		•		•	•	•	•			•										
	1200	•	•		•		•	•	•	•			•										
	1500	•	•		•		•	•	•	•			•										
	2000	•	•		•		•	•	•	•	•		•										
Code	418928	418925	418926	418927	418955	418956	418930	418931	418932	418933	418934	418935	418970	418971	418974	418973	418977	418975	418976	418960	418961	418962	418963

Importance:

- = Can be used without additional accessories.

Code	Type	Speicherthermometer			Tauchrohr	Einschraubheizkörper	Elektroheizflansch	Rippenrohrwärmetauscher	Magnesium-Opferanode (Ersatzteile)	Fremdstromanode	Isoliererschraubungen	Fußhöhenverstellung
		TH 50/40	TH 63/100	TH 80/100								
418928	Aquaduo Duo	Standard			C	EHK 2			MgA 500 - M			
418929					C	EHK 3			MgA 700 - M			
418930					C	EHK 4,5			MgA 700 - L22			
418931					C	EHK 6			MgA 900 - M			
418932					C	EHK 7,5			MgA 1100 - M			
418933				C	EHK 9			MgA 1500 - M				
418934					EHF 2,5			MgA 1500 - L22				
418935					EHF 3			FSA 400				
418936					EHF 3,8			FSA 800				
418937					EHF 5			FSA 401				
see table S. 65				EHF 6			FSA 801					
see table S. 65				EHF 7,5			IVS - G 1/2"					
see table S. 65				EHF 10			IVS - G 3/4"					
see table S. 65				EHF 12			IVS - G 1"					
418970				RWT 1								
418971				RWT 1,8								
see table S. 65				RWT 2,3								
see table S. 65				RWT 3								
see table S. 65				RWT 4,6								
418972												
418973												
418974												
418975												
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418987												
418988												
418989												

Accessories for Water Heaters and Storage Vessels

Importance:

- = Can be used without additional accessories.
- A = Can be built in using blank DN 110 flange adapter including sleeve/socket G 1 1/2" (order code 418967); alternatively can be fitted directly into sleeve/socket G 1 1/2" above the lower coil (Mg anode must be replaced with maintenance-free anode from EHK 3 in 400 and 500 liter model).
- B = Can be built in using blank DN 110 flange adapter including sleeve/socket G 1 1/2" (order code 418967).
- C = Can be fitted directly into sleeve/socket G 1 1/2" above the lower coil.
- D = Can be built in using adapter flange.DN 205/DN 110 (order code 418920).
- E = Can be fitted directly into sleeve/socket G 1 1/2" above the lower coil; Mg anode must be replaced with maintenance-free FSA anode in 400 and 500 litre model.
- F = Use in combination with IVS insulation coupling only; a prerequisite forenamelled water heaters.
- G = For models with cleaning flange only.
- H = For Aquacell DUO 1000 Ø850 (old model) only.

Standard here means that the plunge pipe is already built in. (Varies in length depending on the Type).

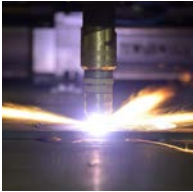
Custom made to your liking

We are primarily a manufacturer of tailor-made and TÜV certified vessels (in accordance with HP0 approval). We are also able to offer you individual complete solutions from a single source through the use of modern technologies, such as welding technology, laser technology or CNC milling technology. We create our own designs with the latest CAD software. We will be happy to create your ideal vessel according to your individual specifications and requirements. Please do not hesitate to contact us. Special storage water heaters are an indispensable addition to our product range.

- Large and special vessel manufacturing up to 62,000 litres and diameters of 2500 mm
- Steel construction with a max. weight of 12 tons
- ...but also small vessels, such as air tanks



Our company is equipped with the following technical equipment:



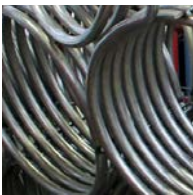
Plasma cutting technology

Our plasma cutting machine, manufactured by Messer Cutting Systems, is a CNC-controlled cutting machine, that can easily cut sheet thicknesses of 1.0 to 35.0 mm thanks to the latest Kjellberg HiFocus 161i plasma fine-focus technology. Cutting speeds of up to 8000 mm / min are achieved when cutting thin metal sheets. The Messer Hole technology ensures that holes with a ratio of 1:1 to the sheet thickness can be cut with virtually no angular deviation. The use of nesting software enables the optimum utilisation of material.



Rolling process

We can roll vessel shells with a diameter of 400 – 2900 mm and a length of up to 2500 mm.



Coiled tube bending technology

Fully automated manufacturing of heat exchangers up to 60 m with tube diameters of 26.9 - 33.7 - 42.4 - 60.3 mm



Welding process

Our qualified personnel – certified and competent welders – perform the subsequent steps, such as attaching the dished ends or integrating the individual fittings and fixtures, with precision and great attention to detail, even with manual and mechanical processing.

- MAG and under powder longitudinal welding
- Circumferential welding with tandem technology
- Kuka robot welding cells with Fronius CMT technology for joining thin sheets and welding connections
- MIG and TIG welding process



Coating

- Combined open space and turbine blasting machine
- Conservation in a wet paint process with an indexing conveyor system
- Powder coating for max. dimensions of Ø 1100 x H 2800 mm and a max. weight of 235 kg



Automated manufacturing line

- Fully automated storage water heater manufacturing line for buffer vessels and hot water storage heaters up to a 1200 litre capacity with a plasma cutting table with a diameter of 400 to 850 mm and shell lengths of up to 2000 mm

Allgemeine Geschäftsbedingung der STAG GmbH

I. Allgemeines

1. Sämtliche Verkäufe und Lieferungen, auch aus künftigen Geschäftsabschlüssen, erfolgen zu den hier wiedergegebenen AGB.
2. Abweichende Vereinbarungen bedürfen unserer schriftlichen Bestätigung. Allgemeinen Geschäftsbedingungen des Käufers wird hiermit widersprochen. Sie gelten auch dann nicht, wenn wir nicht nochmals bei Vertragsabschluß widersprechen.
3. Nichtanerkennung von Auftragsbestätigungen muß vor Entgegennahme der Ware, andernfalls innerhalb 8 Tagen schriftlich erfolgen.
4. Sollten einzelne Teile dieser AGB unwirksam sein, bleiben die übrigen Teile wirksam.

II. Preise

1. Auf von uns angegebene Preise wird die gesetzliche Mehrwertsteuer gesondert berechnet. Die Preise gelten für Lieferung ab Werk.
2. Alle nach Vertragsabschluß eintretenden Kostenerhöhungen der Zulieferer berechtigen uns zur Weiterbelastung an den Käufer.

III. Zahlungen

1. Der Kaufpreis wird mit Übergabe der gelieferten Ware fällig. Bei Annahmeverzug ist der Kaufpreis sofort fällig.
2. Eine Aufrechnung und/oder ein Zurückbehaltungsrecht des Käufers gegenüber dem Anspruch auf Kaufpreiszahlung ist ausgeschlossen, soweit die Gegenansprüche des Käufers nicht rechtskräftig festgestellt oder von uns anerkannt sind. Insbesondere kann der Käufer den Kaufpreis nicht zurückbehalten oder gegen den Kaufpreis aufrechnen aufgrund von behaupteten Mängeln an der gelieferten Ware.
3. Bei Überschreitungen von Zahlungssterminen sind wir berechtigt, Zinsen in Höhe von 4 % über dem jeweiligen Diskontsatz der Deutschen Bundesbank zu fordern. Unsere sonstigen Rechte wegen Verzug bleiben unberührt.
4. Forderungen, für deren Erfüllung wir Zahlungsziele gewährt haben, werden sofort fällig, wenn uns nach Vertragsschluß Umstände bekannt werden, die die Kreditwürdigkeit des Käufers erheblich mindern, insbesondere, wenn sich seine finanziellen Verhältnisse erheblich verschlechtern oder wenn in anderer Form unser Risiko, welches mit der Kreditgewährung verbunden ist, erheblich steigt.
5. Wenn ein Kaufpreis oder eine Rate bei Fälligkeit nicht gezahlt wird, sind wir berechtigt, noch ausstehende Lieferungen nur gegen Vorauszahlung oder Sicherheitsleistung auszuführen oder nach angemessener Nachfrist von dem ganzen oder Restvertrag zurückzutreten oder Schadenersatz wegen Nichterfüllung in Höhe von
 - 15 % bei Serienerzeugnissen
 - 70 % bei zeichnungsgebundenen Erzeugnissen

ohne Nachweis zu verlangen. Wir können außerdem die Weiterveräußerung und die Verarbeitung der gelieferten Ware untersagen und deren Rückgabe oder die Übertragung des mittelbaren Besitzes an der gelieferten Ware auf Kosten des Käufers verlangen.

IV. Eigentumsvorbehalt

1. Alle Lieferungen erfolgen unter verlängertem Eigentumsvorbehalt. Das Eigentum geht erst auf den Käufer über, wenn der gesamte Kaufpreis mit allen Nebenkosten und sonstigen Forderungen voll bezahlt ist oder die dafür gegebenen Wechsel oder Schecks ohne Regreß eingelöst sind. Bis dahin hat der Käufer die Ware gesondert zu lagern, so daß sie für Dritte als Fremdeigentum erkennbar ist.
2. Wird die gelieferte Ware mit anderer Ware verbunden, so überträgt der Käufer schon jetzt sein Miteigentum an der einheitlichen Sache an den Verkäufer und wahrt diese mit der Sorgfalt eines ordentlichen Kaufmanns für ihn.
3. Der Käufer ist berechtigt, die Ware in ordnungsgemäßem Geschäftsgang zu veräußern oder zu verwerten. Be- und Verarbeitung gelten als für uns i. S. v. § 950 BGB vorgenommen, ohne uns zu verpflichten. Eine aus einer Verarbeitung oder Verbindung unserer Vorbehaltsware entstehende neue Sache, wird uns schon jetzt zur Sicherung des Kaufpreises übereignet.
4. Wir behalten Vorbehaltseigentum an der jeweils zuletzt geführten Ware oder nach unserer Wahl anderer von uns gelieferter Ware im Gegenwert unserer jeweils noch offenen Forderung, auch wenn einzelne Kaufpreisforderungen in laufende Rechnung genommen worden sind.
5. Der Käufer tritt schon jetzt bis zur völligen Tilgung aller unserer Forderungen seine Forderung aus der Veräußerung oder sonstigen Verwertung gegen seine Abnehmer mit allen Nebenrechten an uns ab; ebenso werden abgetreten die im Falle eines Konkurses oder Vergleichsverfahrens ihm zustehenden Aus- und Absonderungsansprüche. Dabei ist es gleichgültig, ob die Vorbehaltsware ohne oder nach Verarbeitung und ob sie an einen oder mehrere Abnehmer weiterveräußert wird. Für den Fall, daß die Vorbehaltsware vom Käufer zusammen mit anderen, nicht uns gehörenden Waren verkauft wird, gilt die Forderungsabtretung nur in Höhe des Wertes der Vorbehaltsware, die mit anderen Waren Gegenstand eines Kaufvertrages ist. Die Verpflichtung des Käufers zur Zahlung des Kaufpreises bleibt aber in jedem Falle trotz der Abtretung unberührt. Der Käufer hat uns auf Verlangen alle Auskünfte und Unterlagen zu geben, die wir zur Geltendmachung unserer Rechte brauchen. Der Käufer ist solange ermächtigt, die Forderung an seine Abnehmer für uns

einziehen, als er seinen Zahlungsverpflichtungen nachkommt. Er ist aber nicht berechtigt, über die Forderungen auf andere Weise, zum Beispiel durch Abtretung, zu verfügen. Auf unser Verlangen hin ist er verpflichtet, die an uns erfolgte Abtretung dem Drittkäufer zur Zahlung an uns bekanntzugeben.

- Bei Zahlungsverzug sind wir ohne vorherige Fristsetzung berechtigt, die Herausgabe der gelieferten Ware zu verlangen, ohne vom Vertrag zurückzutreten. Alle mit einer etwaigen Rücklieferung der Ware verbundenen Kosten hat der Käufer zu tragen. Der Käufer ermächtigt den Verkäufer, zurückgenommene Ware nach Androhung durch freihändigen Verkauf zu verwerten und den Erlös nach § 367 BGB zu verrechnen.
- Der Käufer ist nicht berechtigt, die unter Eigentumsvorbehalt gelieferte Ware zu verpfänden oder sicherheitshalber zu übereignen.
- Der Käufer ist verpflichtet, bei jeder Pfändung oder sonstiger Beeinträchtigung unserer Rechte, durch Dritte uns unverzüglich zu benachrichtigen und den Dritten auf den Eigentumsvorbehalt hinzuweisen.
- Der Käufer tritt dem Verkäufer Forderungen gegen Versicherer und sonstige Ersatzpflichtige wegen Beschädigung oder Verlust der Vorbehaltsware mit allen Nebenrechten bis zum Ausgleich aller Forderungen des Verkäufers ab.

V. Versand, Gefahrübergang

- Der Versand oder Transport erfolgt – auch bei der Lieferung frachtfrei – auf Rechnung und Gefahr des Käufers, – er überträgt dem Verkäufer die Auswahl der Versandart und des Versandweges.
- Bei frachtfreier Lieferung ist das Transportmittel vom Käufer sofort zu entladen; der Käufer hat Kosten etwaiger Wartezeiten zu erstatten.
- Der Verkäufer haftet nicht für Verluste oder Beschädigungen, die während des Transportes eintreten.

VI. Haftungsbeschränkung, Verzugsfolgen

- Für Folgeschäden, indirekte Schäden und mittelbare Schäden aller Art aus der Lieferung mangelbehafteter Ware oder aus der Verletzung von Vertragspflichten aller Art, seien es Hauptverpflichtungen, seien es Nebenverpflichtungen einschließlich Verzug sowie für Ansprüche aus unerlaubter Handlung oder sonstigen, nicht vertraglichen Haftungsgründen, haften wir nicht.
- Der Haftungsausschluß gilt jedoch nicht, wenn einer der folgenden Fälle vorliegt:
 - Eintritt des Schadens durch grobes Verschulden oder Vorsatz unserer Geschäftsführer oder eines leitenden Angestellten unseres Unternehmens
 - Eintritt eines vertragsTypeischen, vorhersehbaren Schadens durch schuldhafte Verletzung wesentlicher Vertragspflichten (Kardinalspflichten) – durch uns oder durch einen unserer Erfüllungsgehilfen.
- Will der Käufer nach Verzugseintritt in Anwendungen von § 326 BGB vom Verträge zurücktreten, so hat er dem Verkäufer eine Nachfrist von mindestens 7 Werktagen zu gewähren.
- Betriebsstörungen durch Mangel an Arbeitskräften, Roh-, Hilfs- und Betriebsstoffen, an Strom oder Brennstoff, bei Maschinenschäden, Verkehrsstörungen, Streiks, Mobilmachung, Krieg oder dessen Folgen oder Fällen höherer Gewalt berechtigen uns nach unserer Wahl entweder zum Rücktritt vom Verträge oder zur Hinausschiebung des Liefertermins, auch wenn sie bei Vor- oder Unterlieferanten eintreten.

VII. Maße und Weichte, Urheberrechte

- Die in unseren Katalogen, Listen, Prospekten oder sonstigen Unterlagen enthaltenen Angaben über Maße, Weichte oder sonstige Details sind weder zugesicherte noch vertraglich vereinbarte Eigenschaften der Ware.
- Unterlagen über von uns gelieferte Ware, insbesondere Zeichnungen und Handmuster, bleiben unser Eigentum und sind nur für Zwecke zu verwenden, denen wir ausdrücklich zugestimmt haben. Sie dürfen ohne unsere Einwilligung nicht vervielfältigt und nicht Dritten direkt oder indirekt zugänglich gemacht werden.
- Fertigen wir Waren nach Vorgaben des Bestellers, sind wir zur Prüfung etwaiger Schutzrechtsverletzungen nicht verpflichtet. Der Besteller übernimmt die Verpflichtung, uns von etwaigen Ansprüchen wegen Schutzrechtsverletzungen freizuhalten, einschließlich von den Kosten der Abwehr solcher Ansprüche.

VIII. Gewährleistung, Warenbehandlung, Untersuchungspflicht, Pacity von Mängelanzeigen

- Für die Gewährleistung gelten die gesetzlichen Bestimmungen mit nachfolgenden Einschränkungen und Ergänzungen.
- Gewährleistungsansprüche sind zunächst beschränkt auf Nachbesserung oder – in unserer Wahl – Ersatzlieferung; dem Käufer bleibt für den Fall des Fehlschlagens von Nachbesserung oder Ersatzlieferung vorbehalten, Rückgängigmachung des Vertrages oder Herabsetzung der Vergütung zu verlangen.
- Der Käufer, auch wenn er Wiederverkäufer ist, hat die Ware unverzüglich nach der Ablieferung zu untersuchen und etwaige Mängel unverzüglich, spätestens innerhalb einer Woche nach Eingang der Lieferung, dem Verkäufer anzuzeigen. Wiederverkäufer verpflichten sich, mit ihren Kunden, auch soweit diese nicht Kaufmann sind, eine Untersuchungs- und Rügeverpflichtung entsprechend § 377 HBG zu vereinbaren.
- Die Produkte, für die Gewährleistungsansprüche geltend gemacht werden, müssen fachgerecht behandelt und insbesondere eingebaut worden sein; dabei sind der jeweils neueste Stand der Technik, gültige Normen sowie

technische Hinweise für Behandlung, Einbau, Anschlußtechnik, Inbetriebnahme und Auswahl geeigneter Betriebsmittel zu beachten. Wiederverkäufer verpflichten sich, mit ihren Kunden eine entsprechende Obliegenheit zu vereinbaren, die auch eine sachgerechte, umfassende Dokumentation der Produkthandhabung erfordert.

5. Die Gewährleistung erstreckt sich nicht auf Mängel, die entstanden sind infolge schädlicher Natureinflüsse oder nachträglicher Abnutzung, mangelhafter Einbau- und Montagearbeiten und fehlerhafter Inbetriebsetzung, fehlerhafter oder nachlässiger Behandlung, nicht sachgemäßer Beanspruchung, Verwendung ungeeigneter oder nicht vorgesehener Betriebsmittel, infolge von chemischen, elektrochemischen und/oder elektrischen Einflüssen sowie Nichtbeachtung der Bedienungsanleitung.
 - auf Mängel für fremdbezogene elektrische oder mechanische Bauteile. Wir haften in dem Umfang der gegenüber uns noch bestehenden Gewährleistungsverpflichtung des jeweiligen Lieferanten.
 - auf Mängel, die durch Angaben des Bestellers (z. B. Werkstoff, Konstruktionsanweisung) entstanden sind.
 - auf Mängel, die durch seitens des Bestellers erfolgte Änderungen oder Instandsetzungsarbeiten ohne unsere Zustimmung verursacht werden sowie deren Kosten.
 - auf Lieferteile, die infolge ihrer stofflichen Beschaffenheit oder ihrer Verwendungsart einem erhöhten natürlichen Verschleiß unterliegen, wie Dichtungen, herkömmliche Schutzanstriche usw.
6. Eine Mängelanzeige hat schriftlich zu erfolgen und zur Meidung des Ausschlusses von Gewährleistungsansprüchen folgende Einzelheiten zu enthalten:
 - Zeitpunkt der Lieferung durch uns
 - Darstellung des weiteren Vertriebsweges
 - Zeitpunkt, Ergebnis und Person des Prüfers hinsichtlich der Untersuchungen nach § 377 HGB
 - technische Daten der Verwendieranlage
 - Firmen und Person, die den Einbau beim Endkunden durchgeführt hat
 - Einzelheiten des Schadensherganges
 - Mitteilung, wo das Produkt und die Anlage durch einen Beauftragten des Verkäufers untersucht werden können.

IX. Erfüllungsort und Gerichtsstand, Rechtswahl

1. Erfüllungsort für die beiderseitigen Pflichten aus den zwischen Käufer und Verkäufer geschlossenen Verträgen und Gerichtsstand ist am Gesellschaftssitz des Verkäufers.
2. Dem Verkäufer bleibt vorbehalten, Klage an jedem gesetzlich vorgesehenen Gerichtsstand zu erheben. Es gilt deutsches Recht.

**If you have any questions about products or services,
please do not hesitate to contact us.
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STAG GMBH | Unternehmen | Fertigungsbereiche | Leistungen | Produkte | Qualität | Info | Kontakt

Sonderbehälter

Ihre Wünsche sind unser Ansporn. Mit mehr als sechs Jahrzehnten Erfahrung im Bau von Druckbehältern ist den Ingenieuren und Konstrukteuren von STAG kein Wunsch zu groß, fordern Sie uns ruhig mit besonderen Abmessungen, individuellen konstruktiven Details oder speziellen Anforderungen an den Korrosionsschutz heraus: Sie werden sehen, dass aus Ihren Wünschen und unserem Wissen herausragende und maßgeschneiderte Behälterlösungen entstehen!

Mehr Info

Seit mehr als sechs Jahrzehnten hat sich die STAG GmbH in Genthin auf die Entwicklung und Fertigung von Produkten der Heizungs- und Klimatechnik, Druckbehältern und Flüssiggastanks spezialisiert. In verschiedenen Fertigungshallen werden mit modernsten Ausrüstungen von engagierten Mitarbeitern am Standort Genthin Qualitätsprodukte – auch individuell nach Ihren Wünschen – hergestellt.

Grundlage für den bisherigen Unternehmenserfolg sind Beratung, Qualität, Service und Zuverlässigkeit. Dies sind auch weiterhin die Pfeiler auf denen sich die Zukunft des Unternehmens stützt. Hierbei möchten wir Sie einbeziehen: Ihre Wünsche und Anregungen sind uns Ansporn uns kontinuierlich zu verbessern.

Die STAG GmbH in Genthin ist selbstverständlich zertifiziert nach ISO 9001 sowie ISO 14001.

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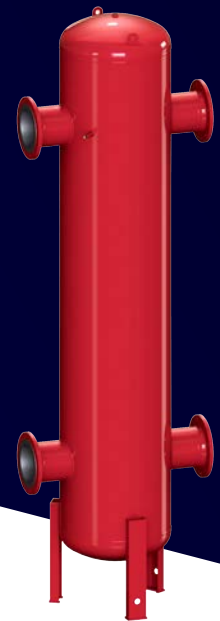
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info / notes:





- Membrane Expansion Vessel
- Hydraulic Separator
- Potable Water Storage
- Buffer Vessel