

Stratified combi storage tank SKS

SKS-1W 500 - 2000



Effective utilisation of regenerative energy sources! Particularly well suited to Legionella-free heating of drinking water. Efficient heat storage through stratifying devices. Drinking water heating through high quality stainless steel corrugated tube with 1 smooth tube heat exchanger for connection to a solar system. High water comfort and particularly hygienic.



Illustration similar

- **Material:** Steel S235JR (interior bare, exterior primed)
- **incl. insulation:**
 500 litres: 75 mm rigid foam insulation and 5 mm foil jacket in RAL 9006 silver, pre-fitted;
 600-2000 litres: 120 mm GREEN LINE insulation, 100 mm cover insulation, and 5 mm foil jacket in RAL 9006 silver, removable
- **Operating pressure:**
 Drinking water: max. 10 bar, Heating side: max. 3 bar
- **Temperature:** max. 95 °C
- **Equipment:**
 1 smooth tube heat exchanger for solar with 1" internal thread, high quality stainless steel corrugated tubing 1" internal thread for Legionella-free heating of drinking water in continuous flow principle, the spirally corrugated construction causes complete flow through, return stratifying pipe for temperature-dependent layering of the heating return, layer guides, (sensor rail under zip fastening from 600 litres)
- **Connections:**
 At the side 8 sleeves with 1/2" internal thread, 3 central sleeves with 1/2" internal thread, venting with 1/4" internal thread, 1 sleeve for electrical heater insert with 1/2" internal thread *4, return stratifying pipe with 1/2" internal thread, communicating connection with all energy buffer storage tanks possible

- **Energy efficiency classification:**
 - Storage tank 500 with 75 mm rigid foam composite insulation (HVI) Class A
 - Storage tank 500 with 75 mm PU rigid foam Class B
 - Storage tank 600-2000 with GREEN LINE- insulation (GL) Class C



Technical data

SKS-1W			500	600	600	825	1000	1000	1150	1500	2000	
Key figures												
Nominal volume		Ltr.	493	597	597	810	951	951	1098	1484	1908	
Type of insulation			Premium	Standard	Classic							
Insulation thickness		mm	75 HVI	75 PU	120 Green Line*3							
Energy efficiency class			A	B	C							
Stand-by heat expenditure		Wh	58	83	104	104	117	140	140	145	166	187
Tap performance*10		l/h	495	508	508	859	1048	1048	1110	1639	1716	
Flange stainless steel corrugated tube		m ²	5,5			6,2	6,6		8,8			
Heating surface heat exchanger	WT	m ²	2,0			2,8	3,0			3,5		
Heat exchanger content	WT	l	10,94			15,32	16,42			19,15		
Max. perm. operating over-pressure	hot water	bar	3									
	Drinking water	bar	10									
Perm. operating temperature max.	hot water	°C	110									
Load profile			3XL	3XL	3XL	3XL	4XL	4XL	4XL	4XL	4XL	
Mounting storage tank			Feet								Base ring	
Article No. Premium			330881									
Article No. Standard			330882									
Article No. Classic				600126	600196	600127	600128	600182	100350	100351	100352	



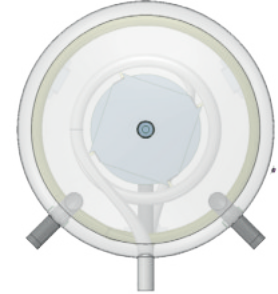
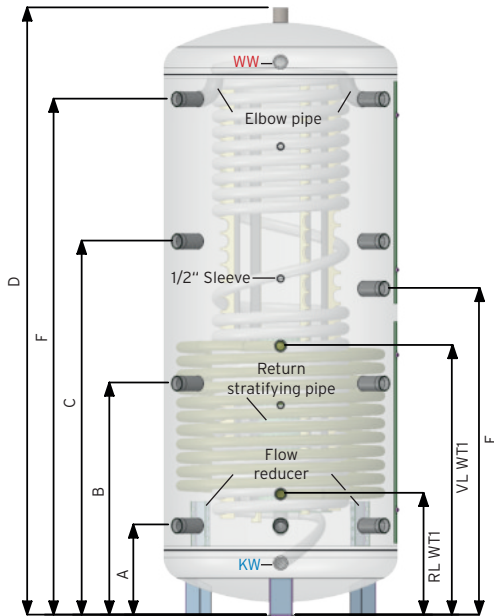
Less heat loss!
Order now with
160 mm
or 200 mm
GREEN LINE!

See page 13

**All storage tanks
can be ordered
with removable
non-woven
insulation!**

Connection diagram

Schematic representation



Dimensions / Connections			500	600	600	825	1000	1000	1150	1500	2000	
Diameter without insulation	Green Line	mm	-	650	790			850		990	1100	
Diameter with insulation		mm	-	850	990			1050		1190	1300	
Height without insulation		D	mm	-	1895	1445	1745	2045	1765	2025	2174	2161
Height with insulation		mm	-	1945	1495	1795	2095	1815	2075	2224	2211	
Tilted dimension		mm	-	1909	1498	1776	2086	1788	2061	2238	2235	
Diameter with insulation	75 PU or 75 HVI	mm	810	-								
Height with insulation		D	mm	1705	-							
Tilted dimension		mm	1864	-								
Connection sizes			1 1/2" internal thread									
Sleeve for electrical heating	Heating insert installation depth	E	mm	904	977	-	959	1105	967	1109	1144	1187
		mm	620		-	850		950		1020		
Sleeves	A	mm	265	225	290	289	305	300	315	345	364	
	B	mm	625	691	580	680	785	690	781	841	844	
	C	mm	1016	1158	870	1070	1265	1080	1248	1339	1324	
	F	mm	1436	1625	1160	1460	1745	1470	1715	1836	1804	
Connection sizes			1" internal thread									
Return	RL	WT	mm	339	329	399	394	412	404	422	452	471
Supply	VL	WT	mm	839	879	729	894	912	904	922	1052	1071
Connection sizes			1 1/4" internal thread									
Venting		D										
Stainless steel corrugated tube	KW / WW											
Return stratifying pipe				1 1/2" internal thread								
3 sleeves central				1 / 2" internal thread								

SKS 600 / 790 without electrical socket

SKS 500: all connectors at 45°
SKS ab 600: all connectors at 90°

* See glossary page 94.