

# Schüco Solar Storage Tank

Solar Potable Water Storage Tanks



The Schüco Solar Potable Water Storage Tanks are designed for use with direct glycol solar hot water system designs. These high quality American made tanks come in sizes ranging from 200 to 1,200 gallons. Every tank is built and tested to meet the highest quality, efficiency and corrosion standards. These tanks are glass lined and equipped with magnesium sacrificial anode rods.

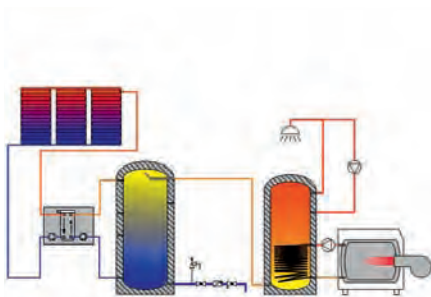
#### Features:

- Simple functional concept without complicated technology (natural principle)
- Long service life
- Improved economic efficiency
- Ease of installation and flexibility with removable foam jacket
- Tank jacket made of environmentally friendly PVC vinyl and high-insulating, low-density, flame-retardant polyurethane foam, with a thermal rating well above conventional insulations (3.12" foam)
- Simple concept, clear structure, quick and clean installation
- Designed for use with Schüco heat transfer stations
- Compact construction with optimized port locations for minimal footprint in mechanical room
- Simple and clear controllability for all applications
- Stamped according to ASME code (ASME IVHLM and ASME VII)
- Optimal use of solar energy

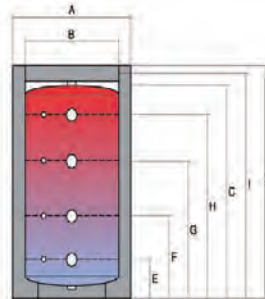
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# Technical Data

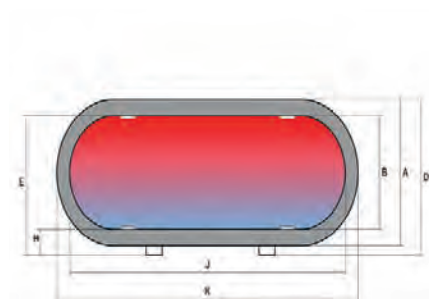
Solar water storage tanks												
Sch co article number	Unit	259 838	259 839	259 840	259 841	259 842	259 843	258 844	259 845	259 846	259 847	
<b>Dimensions:</b>												
Storage capacity	gal.	200	300	400	500	600	700	800	900	1000	1200	
Tank Style (V-vertical, H-horizontal)	in.	V	V	V	V	V	V	V	V	H	H	
A Diameter with insulation	in.	36.25	42.25	48.25	48.25	54.25	54.25	60.25	60.25	60.25	66.25	
B Diameter without insulaion	in.	30	36	42	42	48	48	54	54	54	60	
D Height with insulation	in.	81.13	84.63	84.13	100.63	98.63	111.63	103.88	113.88	66.13	72.13	
C Height without insulation	in.	78	81.5	81	97.5	95.5	108.5	100.75	110.75	63	96	
J Length with insulation	in.									117.25	115.25	
K Length without insulation	in.									111	109	
<b>Technical data:</b>												
Est. Weight	lbs.	284	582	755	840	1141	1293	1572	1602	1742	2189	
Maximum system pressure	psi	125	125	125	125	125	125	125	125	125	125	
Maximum system temperature	F	180	180	180	180	180	180	180	180	180	180	
Anode rods		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Connections height:</b>												
E Height upper port	in.	19.6	21	22.5	22.5	28	28	29.5	29.5	63	69	
F Height mid-port 2	in.	34.6	36.2	36.5	42	44.5	48.8	46.7	50.1			
G Height of mid-port 1	in.	49.5	51.3	50.5	61.5	61	69.7	64	70.7			
H Height of lower port	in.	64.4	66.5	64.5	81	77.5	90.5	81.3	91.3	9	9	
<b>Connection ports:</b>												
Ports	in. NPT	2	3	3	3	3	3	3	3	4	4	
Temperature sensor ports (4 female)	in. NPT	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
Port for T&P Valve	in. NPT	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	
Tank Drain	in. NPT	1	1	1	1	1	1	1	1	1	1	



Direct Glycol Solar Hot Water System



Vertical Tank



Horizontal Tank

Sch co USA L.P.  
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