

Schüco Solar Storage Tank

Buffer Tanks and Preheat Tanks



The Schüco Solar Buffer and Preheat Tanks are designed for use with indirect glycol solar hot water systems. These high quality American made tanks come in sizes ranging from 120 to 1,200 gallons. Every tank is built and tested to meet the highest quality, efficiency and corrosion standards. The preheat tanks are glass lined and equipped with magnesium sacrificial anode rods.

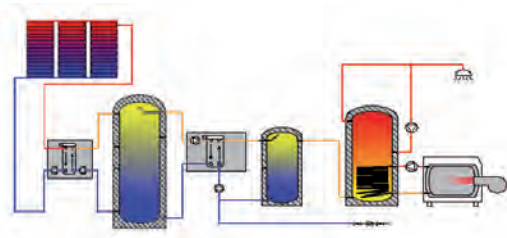
Features:

- 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)
- Designed for use with Schüco Large Collector Area Heat transfer stations
- Compact construction creates more space in the boiler room
- Simple and clear controllability for all applications
- Stamped according to ASME code (ASME IVHLM and ASME VII)
- Long service life
- Optimal use of solar energy

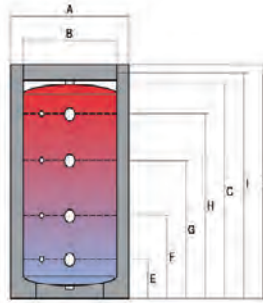
SCHÜCO

Technical Data

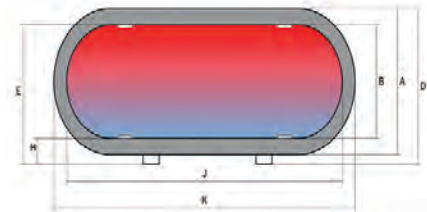
Buffer tanks													Preheat Tanks	
Schüco article number	Unit	259 828	259 829	259 830	250 831	259 832	259 833	259 834	259 835	259 836	259 837	259 848	259 849	
Dimensions:														
Storage capacity	gallons	200	300	400	500	600	700	800	900	1000	1200	120	200	
Tank Style (V-vertical, H-horizontal)	in.	V	V	V	V	V	V	V	V	H	H	V	V	
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	30.25	36.25	
B Diameter without insulation	in.	30	36	42	42	48	48	54	54	54	60	24	30	
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	73.63	81.13	
C Height without insulation	in.	78	81.5	81	97.5	95.5	108.5	100.75	110.75	63	69	70.5	78	
J Length with insulation	in.	–	–	–	–	–	–	–	–	117.25	115.25	–	–	
K Length without insulation	in.	–	–	–	–	–	–	–	–	111	109	–	–	
Technical data:														
Est. Weight	lbs.	284	582	755	840	1141	1293	1572	1602	1742	2189	242	284	
Maximum system pressure	psi	50	50	50	50	50	50	50	50	50	50	125	125	
Maximum system temperature	°F	200	200	200	200	200	200	200	200	200	200	180	180	
Suitable for potable water		No	No	No	No	No	No	No	No	No	No	Yes	Yes	
Connections height:														
E Height upper Port	in.	19.6	21	22.5	22.5	28	28	29.5	29.5	63	69	60	19.6	
F Height mid-port 2	in.	34.6	36.2	36.5	42	44.5	48.8	46.7	50.1	–	–	44.8	34.6	
G Height of mid-port 1	in.	49.5	51.3	50.5	61.5	61	69.7	64	70.7	–	–	29.6	49.5	
H Height of lower port	in.	64.4	66.5	64.5	81	77.5	90.5	81.3	91.3	9	9	14.6	64.4	
Connection ports:														
Ports	in., NPT	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2 1/2	2 1/2	2 1/2	2 1/2	3	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	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	1 1/2	1 1/2	
Tank Drain	in., NPT	1	1	1	1	1	1	1	1	1	1	1	1	



Indirect Glycol Solar Hot Water System



Vertical Tank



Horizontal Tank

Schüco USA L.P.
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