

# Schüco Solar Dual Coil Storage Tank

Standard Solar Tank WW 70-2 / 110-2



The Schüco Solar 70 and 110 gallon dual heat exchange water heaters are designed for optimum energy efficiency as well as ease of installation. In addition, these tanks can be easily connected to the solar station with a prefabricated mounting bracket. These tanks have two immersed 1 1/2" O.D. enameled steel heat exchangers. The solar circuit heat exchange coil is located in the lower portion of the tank and consists of a double wall heat exchanger with positive leak detection, ensuring separation of potable water and the solar heat transfer fluid. The single wall heat

exchange coil located in the upper portion of the tank is intended for use with a backup boiler but may be connected to a variety of different heating systems.

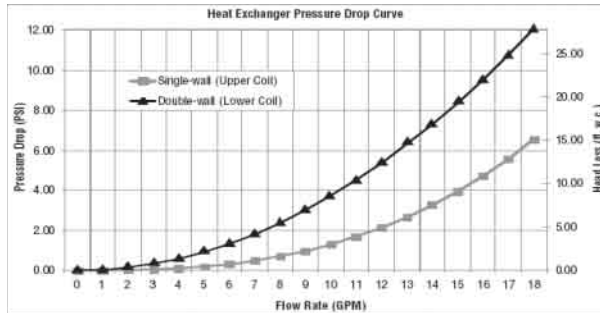
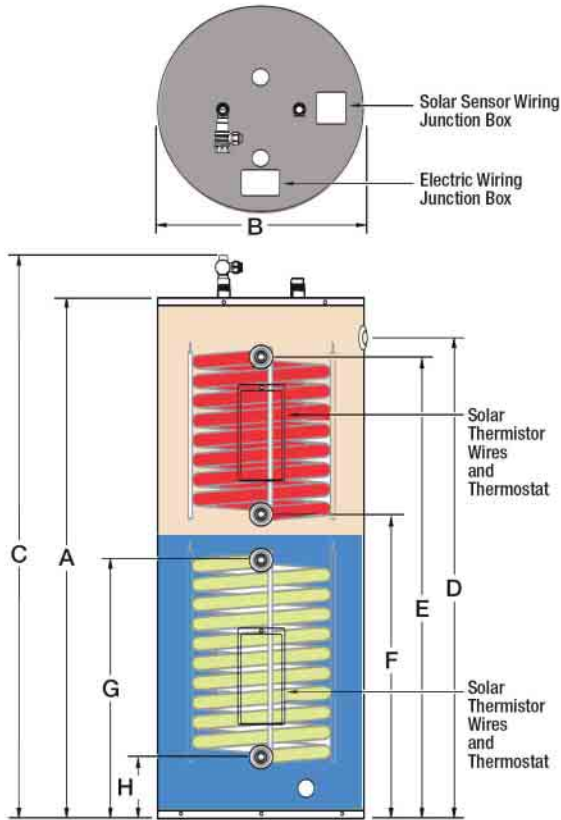
#### Other features:

- Tanks are shipped with two pre-wired PT-1000 sensors (installed at top and bottom of tank) which permit a quick and easy connection to any of the Schüco differential controllers
- A cold water inlet sediment reducing dip tube helps prevent sediment build up
- Units ship with T&P valve as well as an ASSE 1017 approved

- thermostatic mixing valve
- 2" non-CFC foam insulation covers the sides and top of tank, reducing the amount of heat loss, which results in lower energy consumption, improved operation efficiencies
- 3/4 in. NPT factory installed true dielectric fittings extend the life of the water heater and facilitate installation
- Two protective aluminum anode rods provide added protection against corrosion for long trouble-free use
- Tanks include a 5-Year Limited Tank Warranty/ 5-Year Limited Warranty on component parts

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# Technical Data



Schüco USA L.P.  
www.schuco-usa.com

Article description	Unit	S WW 70-2	S WW 110-2
Schüco article number		259 876	259 878
<b>Dimensions</b>			
Storage capacity	gal. (L)	70 (265)	110 (416)
Floor to top of tank	in. (mm)	59 1/4 (1504)	62 3/4 (1593)
Diameter	in. (mm)	24 (609)	28 1/4 (717)
Height when in tilt position	in. (mm)	64	69
Weight when empty	lbs. (kg)	313 (107)	442 (154)
<b>Technical data</b>			
Maximum solar circuit pressure	psi	150 (10.34)	150 (10.34)
Maximum solar circuit temperature	°F (°C)	250 (121)	250 (121)
Surface area HE	sq.ft (m <sup>2</sup> )	14.2 (1.32)	14.2 (1.32)
Volume HE	gal. (L)	2.5 (9.46)	2.5 (9.46)
Surface area HE-2	sq.ft (m <sup>2</sup> )	14.2 (1.32)	14.2 (1.32)
Volume HE-2	gal. (L)	2.5 (9.46)	2.5 (9.46)
Maximum operation pressure HE	psi (bar)	150 (10.34)	150 (10.34)
Maximum tank test pressure	psi (bar)	300 (20.68)	300 (20.68)
Standby heat loss rating	°F /Hr.	0,9	0,7
<b>Connection height</b>			
Floor to water conn.	in. (mm)	62 3/4 (1594)	66 (1676)
Floor to T&P conn.	in. (mm)	53 (1346)	55 3/4 (1416)
Floor to backup boiler supply	in. (mm)	56 (749)	57 3/4 (1422)
Floor to backup boiler return	in. (mm)	37 1/2 (952)	39 1/4 (997)
Floor to solar collector supply	in. (mm)	27 1/2 (698)	27 1/2 (698)
Floor to solar collector return	in. (mm)	5 3/8 (136)	5 3/8 (136)
<b>Connection size</b>			
Boiler supply and return	NPT (female)	1"	1"
Solar supply and return	NPT (female)	3/4"	3/4"
Cold and hot water outlet	NPT (male)	3/4"	3/4"
Recirculation outlet	NPT (female)	3/4"	3.4"

\* Performance data according to DIN 4708 at 80° / 10° / 45°C (176° / 50° / 113°F).  
\*\* Maximum standby losses in accordance with standard DIN 4753 T8.