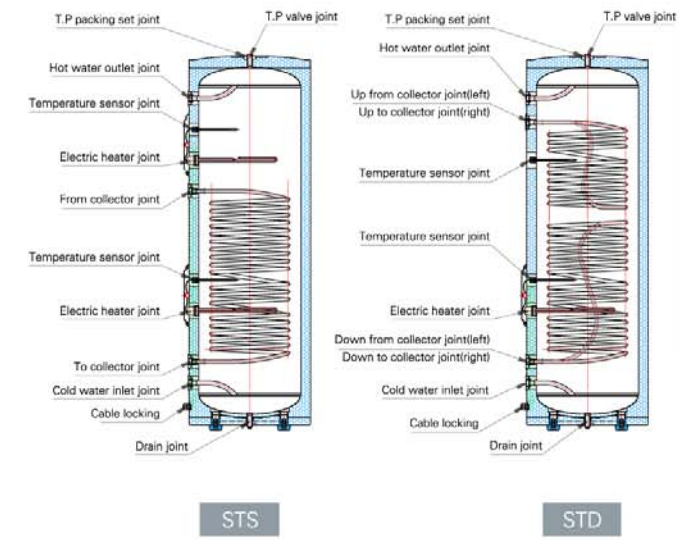




Solar Storage Tank



Volume: 100 · 150 · 200 · 250 · 300 · 400 · 500



Production Structural Diagram

STS: one-coil split pressurized water tank structural diagram.
STD: two-coil split pressurized water tank structural diagram.



NOTE

1. Must be installed vertically to ensure the steady flow of hot water.
2. Power must not be connected unless the power supply is earthed.
3. Tank installation must ensure safety conditions.
4. Please read the product specification carefully before use.



Solar Storage Tank
Harvest The Power of The Sun



Specification	100L		150L		200L		250L		300L		400L		500L		
Name	STS100	STS150	STD150	STS200	STD200	STS250	STD250	STS300	STD300	STS400	STD400	STS500	STD500		
Product specification	STS100	STS150	STD150	STS200	STD200	STS250	STD250	STS300	STD300	STS400	STD400	STS500	STD500		
Shape dimension (mm)	Φ520 × 860		Φ520 × 1195		Φ520 × 1485		Φ520 × 1785		Φ570 × 1755		Φ700 × 1550		Φ700 × 1880		
Diameter of inner tank (mm)	Φ440				Φ480				Φ600						
Material and thickness of inner tank (mm)	δ = 1.2 sus316L								δ = 1.5 sus316L						
Material and thickness of outer tank (mm)	Painted steel δ = 0.4								Painted steel δ = 0.5						
Thickness of insulation (mm)	40				45				50						
Copper-coil heat exchange area (m ²)	0.40	0.55	0.35 0.50	0.75	0.40 0.70	0.90	0.55 0.85	1.10	0.60 0.95	1.20	0.55 1.15	1.50	0.80 1.45		
Specification of inlet and outlet pipe	G 3/4"														
Power of electric heater	1.5kW				1.5kW×2		1.5kW	1.5kW×2		1.5kW	1.5kW×2		1.5kW	1.5kW×2	
Packing size (cm)	62 × 56 × 97		62 × 56 × 129		62 × 56 × 162		62 × 56 × 193		65 × 65 × 186		81 × 81 × 164		81 × 81 × 198		
Weight (kg)	37	40	43	50	56	62	65	72	79	97	103	120	126		
Rated pressure	0.4 MPa														

▲ Product parameter table

Note: Two-pipe heat exchanger area is divided into the upper and lower copper coil area, and the parameters are displayed in the table respectively.

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Production Character

Operating Principle



Because of the large thickness of polyurethane insulation, the tank exhibits good thermal performance.



The inner tank material consists of stainless steel SUS 316L, suitable for storage of water without contamination, and for long lifetime.



AW

A copper coil consisting of 16 mm diameter tube is used in the tank so that very good heat exchange occurs in the tank.



An electric heater is incorporated to heat water when necessary.

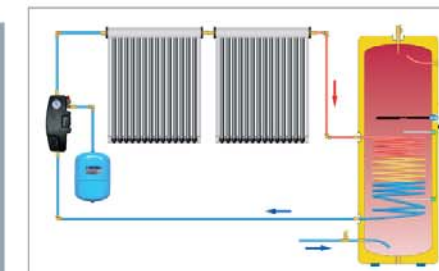


TP

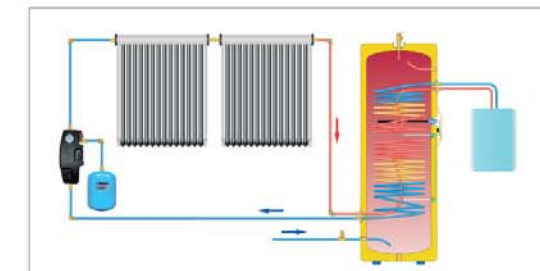
The top of the tank is equipped with a TP valve to release the pressure by means of exhaust, to ensure the tank can not be damaged.



Various possible tank volumes are available from 100L to 500L, to satisfy various needs, for ease of use and to save maximum energy.



STS



STD