

# Solar Heater

## Copper Coil Pressure Solar Water Heater

### Features

**Inner Tank:** Food-grade stainless steel  
SUS316L 1.2MM thickness

**Heat Exchanger:** High-quality red copper  
pipe coil  $\Phi 12 \times 1.0 \text{MM}$

**Outer Tank:** High-quality white painted col-  
or steel 0.4MM thickness

**Tank Insulation:** High-density integrated  
PU foam with 80 hours heat preservation

**Vacuum Tube:** Three-target selective coat-  
ing Cu/SS-ALN(H)/SS-ALN(L)/ALN

**Bracket:** Shaped strong aluminum alloy  
1.8MM, for slope and flat roof installation

**Working Pressure:** 6.0 Bar

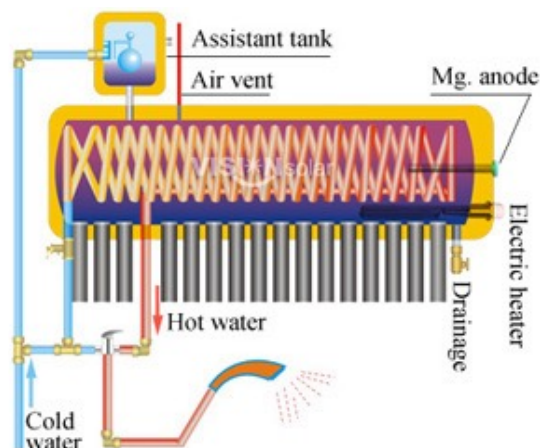
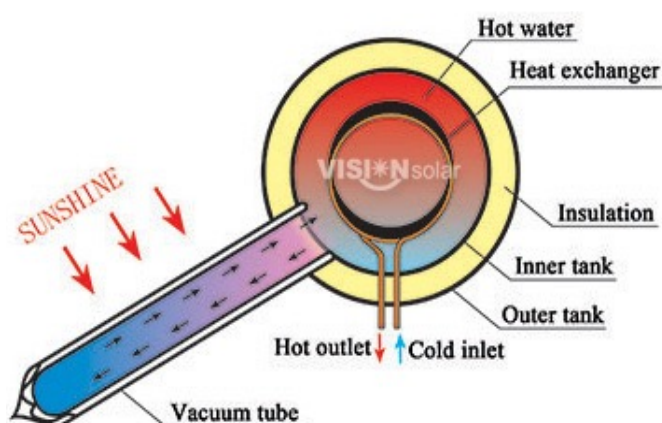
**Hot water output:** 60 ~ 95°C

**Angle of bracket:** 25°



Model	Vacuum Tube		Absorber Area	Tank Diameter	Capac-ity	Insulation Thickness
	Qty	Size				
VCS-CG200	20	$\Phi 58 \times 1800$	1,89 m <sup>2</sup>	470mm	200L/day	55mm
VCS-CG300	30	$\Phi 58 \times 1800$	2,83 m <sup>2</sup>	470mm	300L/day	55mm

## System Working Theory



- **Hot Water Storage Tank:** Food-grade stainless steel SUS 304-2B with advanced argon arc welding, no rusty, no leaking tanks which is high corrosion resistant

Durable and reliable hot water storage tank for more than 20 years; sailing-grade stainless steel SUS316 is available with much more longer working life

Each storage tank has been immersed in water and tested with 0.05MPa pressure to ensure no weak welding and water leakage

- **Heat Exchanger:** Inside storage tank a pile of copper or stainless coil, or a double tank, which enables high pressure hot water from twice heat exchange

- **Outer Tank:** Made of high quality color steel or PVDF steel, all of which have been proved super performance for high corrosion resistant  
SUS304 stainless steel as tank shell enjoys much popularity for areas with acid rain or ocean coast weather conditions

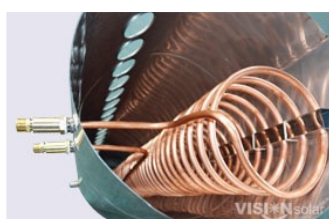
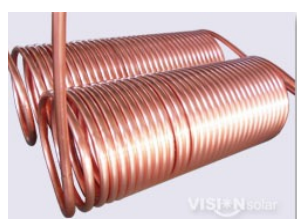
- **Tank Insulation:** High-density polyurethane integrated foaming layer with twice slaking treatment to ensure heat preservation more than 80 hours

- **Intelligent Controller:** Display water temperature and water level in storage tank, automatically control cold water refill and backup heating device

- **Assistant Tank:** With a float ball valve inside to automatically control water supply for solar storage tank and always keep it sufficient

- **Electrical Heater:** Reliable solar heating backup with thermal cut-out working in cloudy or raining days for sufficient hot water

- **Magnesium Anodes:** In areas with hard water, this device is suggested to effectively prevent system from corrosion

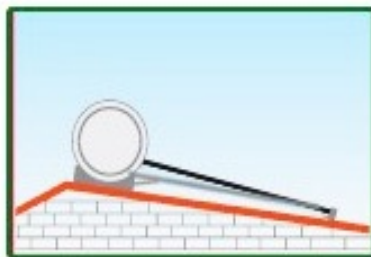
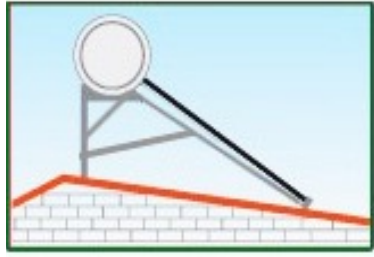
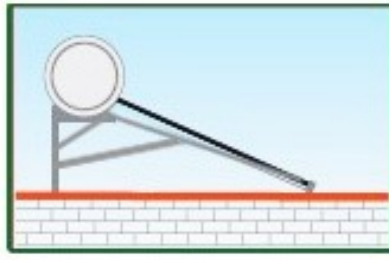
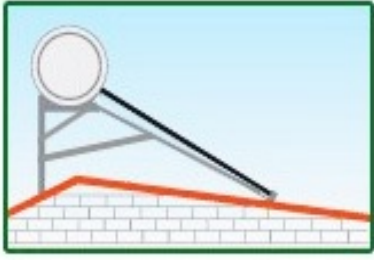


Copper Coil

Double Tank



## Placement on roof



## Optional Solar System Accessories

### Assistant Tank



Model: VAT-C5  
Description: Color steel  
Capacity: 5 L

### Solar Controller



Model: TK-7Y  
Function: Temperature display & electric heating control

### Electric Heater



Model: VEH-P3  
Power Supply: AC  
220V-240V 50Hz  
Heating Power: 3000W

### Mixing Valve



Model: VMV-3/4  
Temperature Range:  
30 ~ 50°C

### Magnesium Anode



Model: VMA-20  
Connection Size:  
22MM silicon seal  
47MM tube plug  
3/4" male thread

### Safety Valve



Model: VSV-3/4 - 3/4" Brass  
- 0.7 Mpa