

Product Introduction

Wombat heat pipe solar water heaters are the compact pressurized water heater systems, which are ideal for supplying pressurized residential hot water for customers who require a sustainable, easy to install, high efficient and reliable solar hot water solution. In high solar radiation areas, Wombat solar water heater can be the sole energy source for hot water supply. In other medium&low solar radiation areas, Wombat systems can provide pre-heated hot water which saves traditional electric or gas energy costs.

Basic Operation

Evacuated tube absorbs sunlight and converts it to usable heat. A vacuum between the two glass layers insulates against heat loss. The heat transfer fin helps to transfer heat to the copper heat pipe, which contains a small amount liquid and becomes steam and transfers the heat from within the evacuated tube to the heat pipe bulb, and then gradually heats up the water inside the tank.

Features

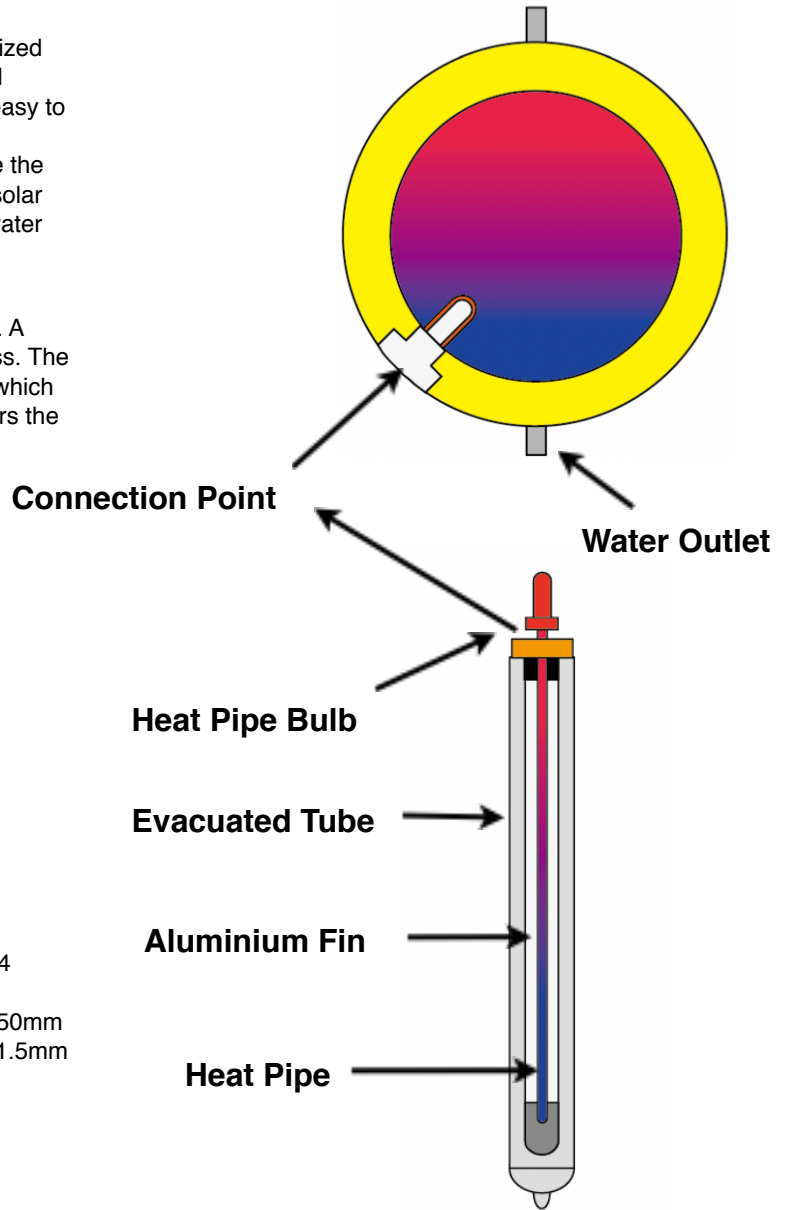
- Twin glass evacuated tubes (passive solar tracking)
- Freeze resistant heat pipes
- Well insulated and low heat loss solar storage tank
- Easy plug-in and dry connect installation
- Easy replacement and maintenance
- 3 year limited warranty on heat pipes and storage tank
- 10 year limited warranty on evacuated tubes
- Efficient performance at high differential temperatures

Materials of Construction

Evacuated Tubes:	Borosilicate 3.3 Glass
Absorber:	Cu-SS-AL/N
Heat Pipes:	High purity Tu1 copper
Heat Transfer Fins:	Aluminium
Inner Tank:	Food grade 1.2mm SUS304
Outer Tank:	PVDF coating tank
Insulation:	High density polyurethane 50mm
Mounting Frame:	6065 Anodized Aluminium 1.5mm 304 SS Fasteners
Max. Pressure:	6 bar

Accessories

PTRV, Mg anode & Check Valve



Part Code	Evacuated Tube			Water Tank			Loading Qty (sets)		
	Size	No. (pcs)	Aperture Area (m ²)	Dimension (mm)	Insulation (mm)	Capacity (L)	20GP	40GP	40HQ
WB-HP-SP-130L-15	Φ58 X 1800	15	1.42	Φ460 X 1330	50	130	52	112	130
WB-HP-SP-170L-20	Φ58 X 1800	20	1.89	Φ460 X 1705	50	170	42	88	98
WB-HP-SP-200L-24	Φ58 X 1800	24	2.27	Φ460 X 2005	50	200	35	73	86
WB-HP-SP-250L-30	Φ58 X 1800	30	2.84	Φ460 X 2455	50	250	28	62	68

Sustainable HOT WATER Solutions, Delivered by APRICUS

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