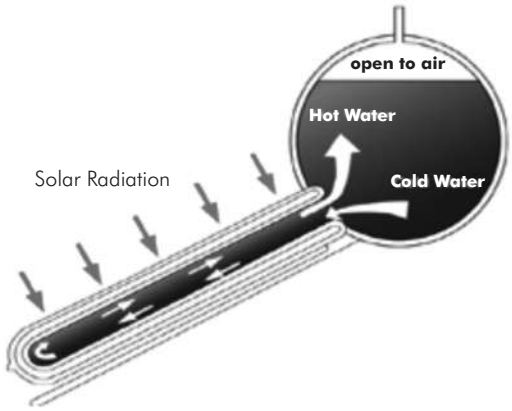
UPDATED

Ultrasun UVT
Vacuum Tubes Water Heaters



Working Principle

Ultrasun UVT VacTube Vacuum Tube solar hot water systems are the most efficient water heating systems available. Solar energy is captured in the vacuum sealed glass void heating the water in the glass tube. The heated water rises to the top of the pipe and collects in the tank. The large surface area of the vacuum tube and high water turbulence within the internal chamber provide rapid transfer of heat to the water flowing through the tank. The sealed evacuated tubes and tri-oxide coating provide maximum solar gain even in the coldest areas and during cloudy or overcast days. System features include;

- Individual high efficiency concentric tube and glass heating elements
- Storage tank comprising a stainless steel inner cylinder, plastic painted insulated galvanised external casing with an auxiliary thermostat controlled electric heater (2kW 200Litres and 3kW 300Litres).
- Separate 8L cold water header tank
- Anodised aluminum frame
- Flat roof mounting kit

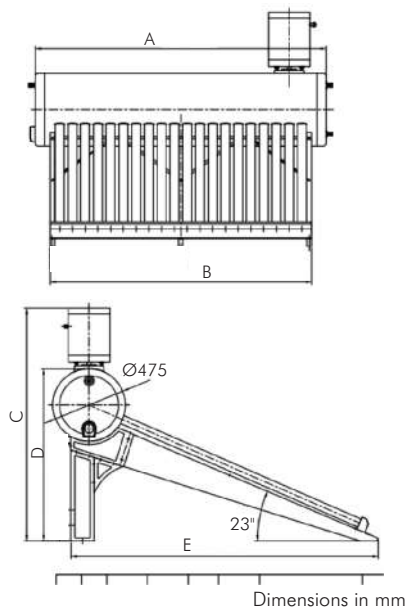
Due to the limited pressure capacity of vacuum tubes supply must be via the included header tank and systems must not be connected directly to the main supply.

OPERATING CONDITIONS

Water Quality: Water outside the following limits should be appropriately pre-treated, **Clarity:** clear, ***TDS*** <600mg/l, ***Hardness*** <200mg/l $CaCo_3$
Maximum Operating Temperature: 200°C
Maximum Operating Pressure: 0.1 Bar

SPECIFICATIONS

Model		UVT200	UVT300
System Tank Size (Liters)		200	300
Typical Household (People)		7	10
No. Vacuum Tubes		20	30
Effective Area, m^2 (Aperture Area)		2.1	3.1
Max. Heat Output/Day (kWhrs)		11.2	16.7
Min. Heat Output/Day (kWhrs)		7.4	11.2
Dimensions	A	1895	2725
	B	1702	2553
	C	1512	
	D	1120	
	E	1994	
Empty Weight (Kg)		115	160
Full Weight (Kg)		315	460



Dimensions in mm