

THERMOSYPHON SYSTEM

OPEN LOOP - PRESSURIZED

The Heliodyne thermosyphon open loop system are cost-effective solar hot water systems designed for warm and tropical area. They system operates based on the principle of natural convection and requires no moving parts or active control, therefore, needs very little maintenance and is easy to install. All collectors and storage tanks are 100% factory tested to ensure they are leak free.

PRODUCT BENEFITS

- Collector and water storage tank highly connected into one piece, looks concise and beautiful, high-quality and cost-effective.
- One collector for all system sizes.
- High-efficient heat transfer at the absorber Tempered solar safety glass.
- The structure is "Germany Style" design, tube connection is easy and convenient.
- Modular system for easy transport and installation.
- Mounting sets available flat roof installation (30° and 45°) as well as for parallel installations on pitched roofs.



Collector	200
Overall area (m ²)	4
L x W x H (mm)	2000x1000
Weight collector empty (kg)	28
Number of Collectors	2
Absorber Sheet	Black anodized selective coating
Emission (%)	94 / 12
Connections	blank ϕ 22 mm
Glass	3.2 mm tempered solar safety glass
Transmittance of glass (%)	91.7

Insulation	30 mm glass wool
Tank	200
Weight Tank (kg)	81
Capacity tank (l)	200
Insulation Tank	Polyurethane foam 50 mm
Compressive strength	0.7Mpa
Tank	200
Connections Tank	3/4" female thread- primary circuit
Heat transfer medium	water mixture
Material tank	Enamel
Tank wall thickness	2.5mm for 200L tank
System	200
Weight of overall system (empty) (kg)	171
Weight of overall system (filled) (kg)	371
Heating rod (optional)	Standard
Mounting material	Aluminium alloy