

Thermosyphon Solar Water Heating System

This thermosyphon solar water heater uses natural water circulation between the collector and the tank or heat exchanger. As water heats within the vacuum tubes, it naturally ascends into the tank, while cooler water descends to the bottom.



Overview

Natural Circulation Heating System

This thermosyphon solar water heating system utilizes natural thermal circulation to provide reliable hot water. By leveraging evacuated tube collectors for superior solar energy absorption, the system ensures high efficiency even in diverse conditions. The unit includes a robust, well-insulated storage tank designed to minimize heat loss, making it an ideal choice for both residential and commercial applications.

Technical Specifications

Working Principle	Natural convection (thermosyphon) circulation
Collector Type	Evacuated vacuum tubes
Applications	Residential, Commercial

Performance Features

Key Benefits

- Maximum solar energy absorption
- High thermal efficiency
- Minimized heat loss insulation
- Long-lasting durability
- Low maintenance requirements