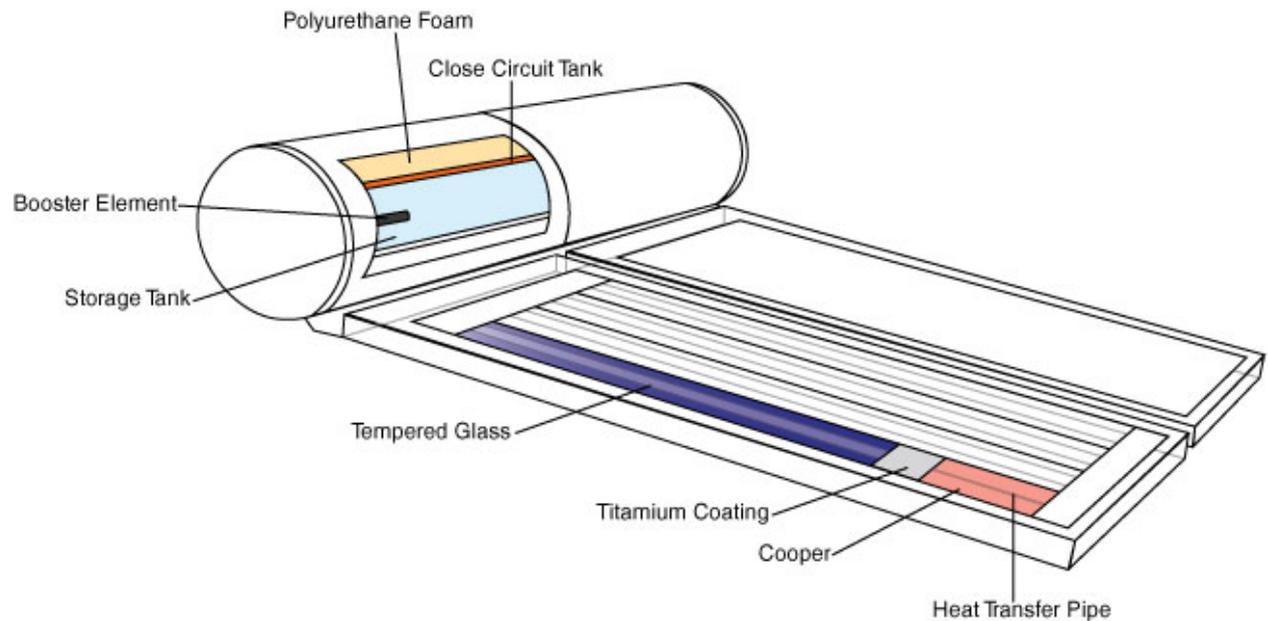


SUMMER Product Schematics



Polyurethane Foam

Used for insulation. It ensures minimum heat loss.

Low Iron Tempered Glass

Low reflection. High intensity. Able to withstand rapid temperature change.

Booster Element

Heating water using electricity when there's totally no sunlight.

Closed Circuit Tank

Storing SUMMER Red (liquid) for indirect heating system. There's no closed circuit tank in direct heating system.

Titanium Coating

Provide effective & faster heat transfer and absorption.

Copper

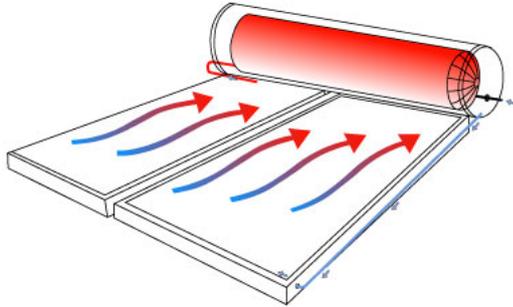
Heat transfer.

Heat Transfer Pipe

Transfer water (direct heating system) / transfer SUMMER Red (indirect heating system)

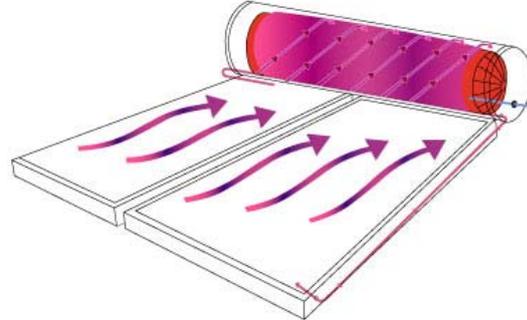
How It Works

Direct Heating System



- Cold water is supplied to the SUMMER Tank
- Thermosyphon Principle causes water to flow from SUMMER Tank to bottom of SUMMER Panels
- SUMMER Panel Absorbers absorb heat from sun
- Absorbers transfer heat from sun to cold water flowing through SUMMER Panel
- Hot water rises through SUMMER Panel due to Thermosyphon Principle

Indirect Heating System



- SUMMER Tank is jacketed and filled with SUMMER Red indirect heating fluid (food-grade, non-toxic)
- Cold water is supplied to the SUMMER Tank
- SUMMER Red flows from Jacket to SUMMER Panels due to Thermosyphon Principle
- SUMMER Red absorbs heat and flows back up into Jacket
- SUMMER Red transfers heat to water stored in SUMMER Tank