

# **Pressurized Thermo-Siphon Solar Water Heater**

*This solar heater is an energy-saving and eco-friendly product that operates efficiently and has an extra backup system for shady days...*

## **Product Features:**

### **Design**

- Coming in a variety of capacities; the heater features a solar collector or a group of collectors with high energy absorption, connected through insulated pipes to a well-insulated water tank that is made from the perfect materials to withstand environmental conditions.

### **Efficiency:**

- The solar collector is composed of coated copper tubes and fins, while the upper surface is made of low iron transparent glass; all contributing in the gaining of maximum solar energy absorption.
- The outer casing of the tank is made from galvanized steel and treated with a UV resistant coating making it suitable for outdoor use.
- The internal tank is made from high quality stainless steel; internally coated with a layer of hydra stone to prevent rust and corrosion and increase the tank's durability.

It is made of regular steel coated Hydra stone OR stainless steel

### **Operation:**

- This solar heater is available in Open loop and Closed loop systems. In the open loop system, the water is directly heated and naturally circulated between the solar collector and the tank. In the closed loop system, the liquid used in the solar collector transmits the heat to the water inside the tank through a copper heat exchanger; preserving the solar collector in case of salty or impure water inlet.
- If there isn't enough sunlight or there's a need for extra heating, the tank is equipped with a heating element made of pure copper that works as an alternative energy source; providing you with hot water even when it's shady.

## Energy Saving:

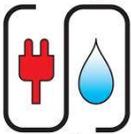
- Solar heaters use clean and renewable energy that preserves the environment's nonrenewable resources.
- Consumption of electric energy is minimized compared to all electric heaters which will positively reflect on electricity bills.
- Pipes connecting the water tank and solar collectors are thermally insulated, while a layer of eco-friendly polyurethane insulates the internal tank; to preserve hot water temperature for a longer time and reduce energy consumption.

## Maintenance

- Nova's solar water heater is easily operated and does not require frequent maintenance; even for the water tank, thanks to our hydra stone coating! Your heater will thus hardly ever need maintenance.
- With its long-term warranty, this heater also comes with a complete installation and maintenance manual, and spare parts are always available at Nova.

## Product Specifications:

- **Models:** Open Loop and Closed Loop Systems
- **Capacities:** 150, 200 and 300 liters
- **Inlet & Outlet Tubes:** 3/4 inch
- **Operating Pressure:** 6 bar
- **Solar Collector:** Selective Blue Flat collector - Low iron Glass
- **Tank Insulation:** Eco-friendly Polyurethane
- **Internal Tank:** Steel Coated Hydra Stone / Stainless Steel
- **Alternative Heating Element:** High thermal conductive pure Copper
- **Spare Parts:** Always Available

Eco-friendly	Energy Saving	Easy to Operate	Different Capacities
	 <b>energy</b> <b>saving</b>		

\* As we continuously develop our products, the company has the right to change product specifications whenever needed.