



Jain Solar Water Heater (ETC type)

With Jain Solar Water Heater

You will have hot water when you need it, have no recurring cost of electricity, years of trouble free use and the assurance of a great service backup from the Jain Group. In other words, total peace of mind! What's more, you will be helping the environment.

What is Jain Solar?

It is an equipment to heat Water using solar energy. It does not produce electricity but carries heat energy. Jain Solar is manufactured to satisfy your hot water needs. It is ideal for domestic use.

Why Jain Sunlight?

Benefits : Negligible maintenance, daily water heating expenses almost nil, conserves precious natural resources, exemption from octroi & excise duty, 80% depreciation for commercial use.

Features : Saves energy & environment, easy to install & maintain, no fear of shock/ accidents, long life, huge savings.

Uses : Bungalows, Apartments, Guest Houses, Lodges, Hotels, Hospitals, Heath Clubs, Dairies, and wherever & whenever you need hot water.

Model : Jain Sunlight evacuated tube collector system is for non pressurized application. Available in 100 to 500 LPD. Higher capacity systems are available on request.

Salient Feature Evacuated tube collector

This is heart of the solar system. Evacuated tubes are made up of borosilicate glass coated with AL-N/AL using sputtering technique. This is world's latest innovative technique of black coating to achieve highest efficiency.

Insulated Hot Water Tank

Stainless Steel hot water tank with outer cladding of G.I. precoated sheet, insulated with 40 mm thick PUF insulation. This ensures least overnight temperature drop.

Mounting Racks

Generally, mounting racks are designed for flat roof. This rack is assembled by SS.fasteners at site using L-shaped pre-fabricated & powder coated steel sections.

How about rainy season?

Jain Solar is designed for year round performance. It needs about 7 hours of normal solar radiation for desired performance. As an auxiliary support, electric heater is fitted when hot water availability is not as expected.

Assurance from the Company

Each Jain Sunlight carries a unique & solid assurance from the Company. It comes from a 3000 crores company committed to water conservation & environment protection. With over 490 crores of exports in extruded / moulded plastic & micro irrigation systems, galaxy of awards & recognition from TUV NORD for ISO 9001-2000 for all its divisions, the company is poised for a big leap. As a proud owner of Jain Solar Water Heater, welcome to the family of happy satisfied customers!



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An ISO-9001
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Warranty The Jain Sunlight Solar Water Heating Systems are backed up by a warranty of 5 years against manufacturing defects subject to the conditions stipulated therein.

Frequently Asked Questions (FAQ's)

How does the water get heated in ETC system?

It is a natural process in which Solar energy is absorbed by the black coating on the outside of the inner tube & the same is transferred to the water inside the tube. Water on the upper side of the vacuum tube becomes hot & lighter in weight & it starts rising up into the tank. At the same time, heavier cold water from the tank comes downward from lower side of the tube. This cycle repeats till all the water is heated so long as solar radiation is available.

What is the maximum temperature achieved?

Domestic systems are designed for temperature upto 60°C. However, in summer or during periods of less use, higher temperatures can be achieved.

How do we select the capacity?

For Indian conditions, 25 to 30 liters per person per day is the average hot water use. Accordingly, 100 LPD system is suitable for a family of 3-4 members.

Any maintenance required?

Use soft water & keep the glass tubes always clean. Check for leakages & valve functioning periodically. Keep in mind that this system is meant for non-pressurised application only. Air vent to the hot water tank is MUST.



What if the water is hard?

Periodically, clean the tank & tubes for any scale buildup.

How about soft loan scheme?

Soft loan is available for 5 years repayment period. Interest rate is 2% for individuals, 3% for non-profit making & 5% for profit making or organisations.

Comparison

Feature	Flat Plate Collector	Evacuated Tube Collector
Front View		
Absorber	9 nos. of selective Coated copper fins and riser tubes.	No Copper fin & rise tube. Inner surface of glass tube has Al-N/Al Coating.
Type of glass	4 mm thick toughened glass.	Borosilicate glass tube.
Pressure withstanding capacity	Good, up to 6 bar	Cannot withstand pressure of more than 0.3 bar due to glass rubber joint.
Capacity to absorb both Direct & indirect radiations	Yes	No
Net absorber area (for 100lit) M ²	1.95	1.23
Height (100LPD)mm	1800	1300
System Area	1.3 m x 2.3 m	1.3 m x 1.7 m
ISI certification	Yes	No
Maintenance	Easy	Careful
Serviceability	Yes	Yes
life	Above 10 years	Upto 10 years.
Efficiency	51%	31.60 %



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