



Industrial Solar Water Heater

Applications for Industrial Solar Water Heater

- Pre-feed for boilers for steam generation or various industrial applications.
- Milk dairies for applications such as pasteurization, condensation & cleaning.
- Leather processing industry for drying and tanning.
- Metal finishing industry for degreasing and phosphate.
- Resin emulsification in polymer industry.
- Drying & related processes in pharmaceutical industry.
- Solar drying through air-heating is an area of growing interest.
- Swimming pool heating is a popular concept in India and abroad.

Uratom Solar India Pvt Ltd

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Industrial solar Water Heater

We, are committed to manufacture and supply of high quality Industrial Solar Hot Water products. Our Industrial Solar Water Heater has helped Customer to solve their problem with taking care of environment & save electricity.

Basically each industries required hot water for their process may vary from low to high temperature. So We design Manifold Solar Water Heater at very compatible prices which provide hot water from atmospheric to 85°C. Our Solar Water Heating Systems are highly efficient & energy saver compare to all alternate devises.

Uratom industrial solar water heaters are custom designed and fully integrated systems by preheated water for boilers in various products.

Benefits of Solar Water Heating system

- No need to service for long time.
- No any labour necessary for Operate.
- Solar Water Heater Work in Every Climate.
- Reduced Energy Costs.
- No More Maintenance.
- Solar energy is safe, efficient, reliable and non-polluting.

Main Components

The main components of 65°C Solar Water Heating System is :

- **Solar Vacuum Tubes** : functions as the primary heating source.
- **Insulated hot water tank** : for storing hot water.
- **Air vent** : to release trapped air from hot water tank.
- **Automatic Valve**
- **Circulation Pump**
- **Adjustable Controller**

Technical Specifications

Tube		MANIFOLD	
Material	1.6 Borosilicate Glass 3.3	Outer Cover	G.I. 0.4 mm
Dimension	O.D. 58 mm	PUF Insulation	High Density PUF
	I.D. 47 mm	Thickness of PUF	50 mm
Absorption Coating Graded	AL-N/CU/S (Copper Coated)	Inner Tank	G.I. With Epoxy Coating
Absorptance	>92% (AM 1.5)	Inner Tank Thickness	2.5 mm
Emission	<8%(80°C)	Coating	Pure Polyester Powder Coated
Vacuum	$p < 5 \times 10^{-3} \text{ PA}$	Stand	30 x 30 x 3 mm with P.P Powder coating
Stagnation Temperature	<200°C		
Heat Loss	<0.8 W/59 M		
Max. Strength	0.8 mpa		
Efficiency	15% More than ordinary tubes		
Tube Qty.	60		
Tube Length	2100 mm		

Stand	
	35 x 35 x 3 mm angle with P.P. Powder Coating

Tank	
Outer Cover	G.I. 0.4 mm
PUF Insulation	High Density PUF
Thickness of PUF	50 mm
Inner Tank	G.I. for 500 lpd & MS for higher Capacity With Epoxy
Inner Tank Thickness	2.5, 3, 4 & 6 mm for 500,1000, 2000 & 3000 lpd resp.
Coating	Pure Polyester Powder Coated

Others	
Circulation Pump	0.5 to 0.75 HP (Kirkosker/Silver) or / and Solenoid Valve
Temp. Sensor	Hot Water Controlling Sensor
Auto Control Panel	Water Level Controller,
	Dry Run Protection, Adjustable output temp.,Auto ON / OFF electrical heater with timer.

