



**A Perfect Solution**

Never Before



**Unique Concept**

1st Power free Operation  
Fixed Temperature System



**Freedom**

From headaches of  
conventional solar system

The  
**Akson's MAESTRO Advantage**

**INDIA'S FIRST EVER  
UNIQUE & REVOLUTIONARY**

**SOLAR WATER HEATING SYSTEM**



**No Problems**

No Manual Intervention System



**200% Confidence**

Dual Tank Hybrid System



**Guaranteed**

Hot Water



Hot water bathing has been popular since early periods of human civilisation, due to its therapeutic value. Solar Water Heating is the application of solar energy proven over the decades. It offers the most attractive cost benefits owing to ultra-low maintenance and extremely long service life. Use of Solar Hot Water System not only makes commercial sense but also holds the key to substantial reduction in electricity consumption as well as fossil fuel consumption and helps mitigate global warming.

However, the domestic Solar Water Heating System (SWHS), which are mainly Natural Thermosiphon based systems, have been leading to customer dissatisfaction on account of the issues like:

- Mixing loss
- Uncontrolled heating.
- Varying temperature output.
- Scaling leading to choking /clogging of copper tubes.
- Unsuitability in low ambient temperature zones.
- Aesthetics related issues.

**Unfortunately the solar manufacturing industry has not been able to provide a convincing answer to these customer complaints.**

Akson's Solar, the unique R&D oriented solar / RE solution providing company has developed the perfect solution- **"AKSON'S MAESTRO"** (patent pending). It has the following unique features:

- Aesthetically pleasing design.
- Higher efficiency owing to India's first joint less solar Flat Plate Collector.
- Fully automated system, yet no power required.
- No mixing losses, hence 100% capacity available.
- Constant temperature output.
- Controlled heating avoiding scaling menace.
- Ideal for low temperature regions.
- Flexible configuration.
- Best value for money.



**"AKSON'S MAESTRO" is a unique solar hybrid water heating system that offers you a hot water system eliminating all problems associated with the conventional solar systems ensuring instantaneous hot water on 24 X 365 basis.**

# AKSON'S MAESTRO

## Features



### Unique Concept

Solar Collector Array heats the water

Insulated water heating mini tank provided in collector

Precision thermal controller ensures dispensing of Hot water at constant temperature till the last drop



### Freedom

100% availability of hot water capacity

Constant temperature hot water

24 hours availability



### No Problems

World class components ensure reliability

No effect of power failure

Heat pipe means no scaling inside



### 200% Confidence

Foolproof hot water delivery

Advantage of unique sealed collector

Gas/electricity backup heating system



### Guaranteed

Intelligent, integrated Solar / Grid hybrid system

Ensures 24 hours hot water availability

Fully automatic & care free system



### A Perfect Solution

The first Solar Hot Water system with non mixing operation

Most scientifically designed, eliminates all problems associated with conventional systems

Flexible design - suitable for any conditions

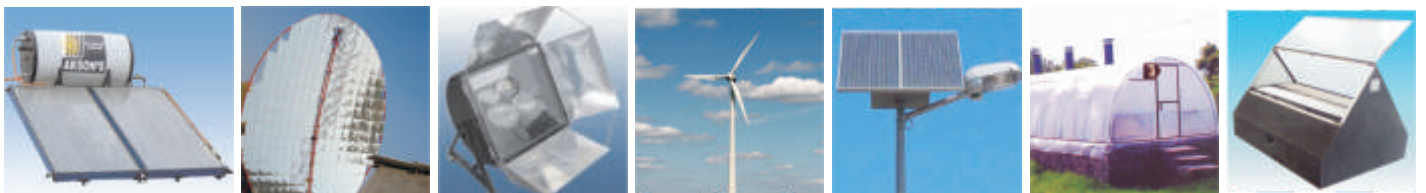
Minimum space - low cost solution

## AKSON'S MAESTRO- HOT BENEFITS AT A GLANCE

Sr. No.	Parameter	Conventional Natural Thermo Siphon System	Conventional Forced Circulation System	"AKSON'S MAESTRO"
01	Feasibility	With Glycol indirect heating	Feasible	Most feasible
02	Safety	Low	Low	Most viable
03	Efficiency	Low	Good	Highest
04	Aesthetics	Poor	Better	Best
05	Suitability for hard water	Poor	Average	Better
06	Space required	More	Somewhat less	Minimum
07	Load on rooftop Point Load	Heavy	Heavy	Extremely Low
08	Wind resistance	High	High	Low.
09	Freedom of use for 24 hrs.	Nil	Nil / partly	<b>100%</b>
10	Quantity of allotted hot water available	Not possible	Partly / 100%	<b>100%</b>
11	Constant Temperature hot water flow	Not possible	To some extent	<b>Fully Assured</b>
12	Flexibility in use	Nil	To some extent	<b>100%</b>
13	Gas / Electrical back-up	Expensive	Expensive	Economical

**'AKSON'S MAESTRO' is certainly the future of Solar Water Heating System in the domestic sector, which is the result of years of painstaking Research & Development and field trials.**

"AKSON'S SOLAR IS COMMITTED TO DEVELOP INDIGENOUS TECHNOLOGIES / PRODUCTS IN THE FIELD OF NEW & RENEWABLE ENERGY FOR THE PRECISE CUSTOMER NEEDS AND CONTRIBUTE IN A SMALL WAY TOWARDS A GREENER & CLEANER EARTH"



NSIC-CRISIL **SE 2B**

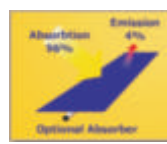


CM/L-7377688

ISO 9001:2000



Patents  
(awarded / pending)



**PVDSunselect™**  
PVD Coated Solar Absorber



**AKSON'S DELTA**  
Ideal Solution for Buildings



**QUASAR**  
Concentrator Plate Collector

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