

Uniser Chemicals Industries Pvt. Ltd. is today recognized as the market leader and trendsetter in the field of solar thermal applications. The company has pioneered usage of several new designs, & components now prevalent in the market. The company's associate has a well equipped, large state of the art manufacturing set up with state of the art R & D wing, professionally managed with combined experience of over years in the field and backed by support of leading institutions.

## DOMESTIC SOLAR WATER HEATING SYSTEMS.

BUNGLOWS , HOUSES, FLATS, APARTMENTS, RESIDENTIAL COLONIES AND OTHER DOMESTIC USERS....

### MODEL – UNIROYAL

#### CAPACITY RANGE 100/200/300/500 LPD

- Solar Collector ISI with 5 Kg/sq.cm.
- SS304 Hot water tank, Tig welded
- Rockwool Insulation.



### MODEL – UNIZOL

#### CAPACITY RANGE 125/250/375/500 LPD

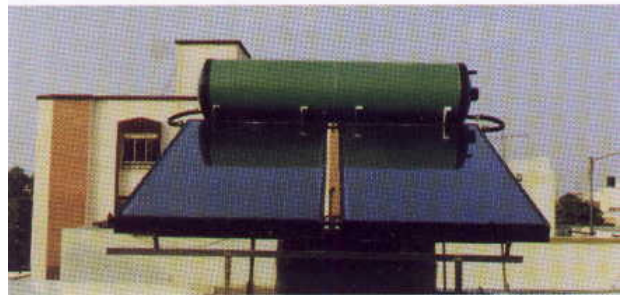
- Solar Collector ISI with 7.5 Kg/sq.cm.
- Hot Water Tank SS304, Tig Welded.
- Insulation HCFC free foamed PUF.
- 30% higher efficiency than regular Model.
- High grade alloy steel cladding.
- Inbuilt valve.
- Allows laminar flow and minimal mixing.
- Only system with sacrificial Anode.
- Highest Collector efficiency 79%.



### MODEL – UNIPREZ

#### CAPACITY RANGE 125/250/375/500LPD

- Models for operating pressure 2.5 – 4Kg/sq.cm.
- Suitable for hydro-pneumatic or pressurized water.
- Custom designed models for other pressure ratings.



### MODEL – UNISCALE

#### CAPACITY RANGE 100/200/300 LPD

- Alternative model for hard water / scaling problems.
- Double shelled Hot Water Tank SS304, Tig Welded.
- High Efficiency liquid is used for indirect heat transfer.
- Custom made sizes also available.

## COMMERCIAL & INDUSTRIAL SOLAR WATER HEATING SYSTEMS

HOTELS, RESORTS, HOSPITALS, GUEST HOUSES, DAIRIES, INDUSTRIES, CANTEENS, TEXTILES, AGRICULTURAL, POULTRY, BREWERIES AND OTHER USERS....

### CAPACITY RANGE – ANY CAPACITY

- Custom designed models to suit any type of unit.
- Available as per required capacity.
- Any temperature ranges from ambient to 80-85 degree Celsius.
- Design to give fixed temperature output for usage.
- Electrical / Conventional back-up facility (if required)
- Designed to suit any type of water quality.
- Easy to adapt and install on any type of roof.
- Facility of Annual Maintenance Contract.



## OTHER APPLICATION AREAS

### SOLAR AIR HEATING SYSTEMS.

- Useful for drying applications of crops, produce as Tea, Coffee, Herbs, Fruit, Flowers, Vegetables, Nuts, Spices, Condiments, tobacco, Rubber, Timber, Mats, Coir, Powders, Textiles, Laundry, Garbage, Hatchery, Incubators etc...
- Can dry from maximum 85% moisture to 6% minimum, with temperature rise 30-40 above ambient.
- Act as heat recovery unit.
- Gives good quality of drying due to uniform temp. gain.
- Can handle large volumes.



### SOLAR POWERED LIGHTING SYSTEMS.

- Useful for Home Lighting Systems, Pumping Systems, Solar lanterns, Street Lights, Garden Lights, UPS, power plants, Traffic booths & Signals, Signboard Lighting, Building interior lights, Blinkers, and allied applications.
- Custom designed models to suit any kind of requirement.
- Solar Lantern and home lighting system are cost effective and very popular application.
- Street Lights with dusk to dawn operation.
- Longer life for batteries.
- Can be built with Auto option.



### SOLAR SAFE DRINKING WATER SYSTEMS.

- Useful for village communities, Health Centers Hostels, Hospital, Homes, Hotels, Breweries, Canteens, Resorts and bottled water plants.
- Accessories include treatment for hard water, fluorides, odor, colour, suspended solids, iron contents, etc.
- Water is treated by heating through pasteurizing temperature till 79 C and cooled rapidly to ambient, then filtered and made safe for drinking.
- All harmful bacteria, viruses and microbiological organisms are destroyed in the process resulting in giving odourless, soft, pure drinking water.
- Certified as per WHO / IS-10500 standards for drinking water.



*Universally Sustainable Energy through Renewables*

**Uniser Chem. Industries Pvt. Ltd.**

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