



UV RAYS®
Rays In Your Water

100 % Power Saver
Easy & Maintenance Free
Eco-Friendly



8*
YRS
WARRANTY



5*
YRS
WARRANTY



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QUALITY & PERFORMANCE

Our products are safe, reliable and easy maintenance.

Our specialist identifies areas of potential efficiency improvements to maximize energy use reduction and savings.



To fulfill the growing needs of customers and society at large. We figure out their requirements and come with new design concepts of products and services.



To complete our interest on bringing something new, with good quality to market, we have a unit which takes care of how, what and when to bring to the market to reach our target audience.



CUSTOMER SATISFACTION

We encourage even a step further for energy saving

We try to provide with solutions which are both practical & cost effective.



Our Core Values Integrity

Each employee accepts responsibility to build trustful and respectful relationships with associates and clients based on honesty and accountability.

Service

We bring our experience, expertise, creativity and commitment not only to achieve our clients' goals, but also to exceed their expectations through self-set standards of professional service.



Benefits for You

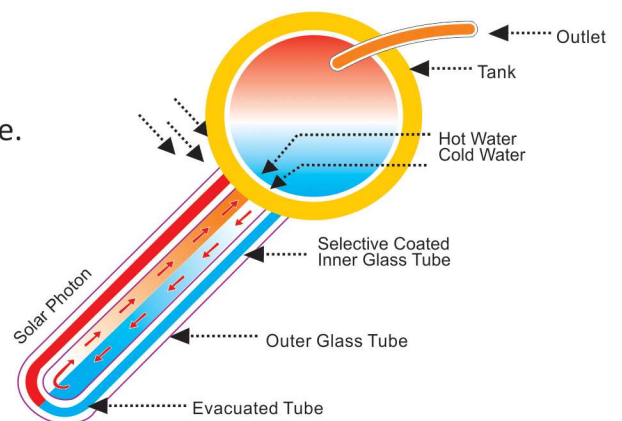
- ☀ Big savings on conventional Electricity or Natural Gas bills.
- ☀ Low Maintenance, Cost Effective & Long Life.
- ☀ Fast Heating even in Cloudy and Winter Atmosphere.
- ☀ Reduce dependence on Electric and Gas Geyser.
- ☀ 100% Sun Rays operated & Nature Friendly technology.
- ☀ Higher Temperature 50° to 65°C hot water output.
- ☀ Provides Clean and Hygienic Hot water.
- ☀ System is Suitable for all kind of water.
- ☀ Insulated Tank keeps hot water for longer time in cold weather also.
- ☀ Glass lining coating keeps storage tank corrosion free for long time than stainless steel tank.
- ☀ Not-Stik coating inside the storage tank keeps water hygienic and dirt free.
- ☀ Flexible and Easy Installation and also required less area for the unit.

Application Areas

- | | | |
|----------------------|----------------------------|---------------|
| ☀ Row Houses | ☀ Health Clubs | ☀ Textiles |
| ☀ Apartments | ☀ Hospital & Nursing Homes | ☀ Dairy |
| ☀ Railways | ☀ Swimming Pools | ☀ Boiler Feed |
| ☀ Hotels & Resorts | ☀ Chemicals & Fertilizer | ☀ Breweries |
| ☀ Hostels & Canteens | ☀ Pharmaceuticals | |

Advantages of Vacuum Tube System

- ☀ Higher Temperature in Rainy & Cloudy Atmosphere.
- ☀ No Need Service needed for Long Time
- ☀ Easy to get Temperature In Hard Water.
- ☀ No Clogging / Choking



Month Wise Savings Chart

Traditional Energy	150 Liters	300 Liters	500 Liters
2 KW Electric Heater	625/-*	1250/-*	2080/-*
Gas	523/-*	1046/-*	1744/-*



UV Rays Solar Silver Series



-  **Save Electricity**
-  **Save Money**
-  **Solar Powered**
-  **8* Years Warranty**



Technical Specifications of Vacuum Tube

Material	1.6mm Borosilicate 3.3 glass
Outer Diameter	58mm (whatever applicable)
Inner tube diameter	47mm (whatever applicable)
Tube Length	1800mm / 2100mm (whatever applicable)
Absorptive coating	CU - AL - N / SS (Three Layer)
Vacuum	P<5 x 10 ⁻³ PA
Absorptance	> 92%(Am1.5)
Glass thickness	1.6mm
Emittance	<8% (80°C)
Thermal expansion	3.3*10 ⁻⁶ °C
Stagnation temperature	>200° C
Heat loss	><0.8w/sq.mtr.
Maximum strength	>0.8 MPa

Technical Specifications for Tank

Inner Tank	3mm Galvanized Iron (G.I.) Plazma Welded
Inner Coating	High Grade Anti-Corrosive Coating 0.45mm Galvanized Iron
Outer Cladding	(G.I.) with P P Powder Coating P P Powder Coating
Insulation	50mm PUF (38kg. / mt3 density)
Stand	1.6mm (G.I.) with PP Powder Coating Or 30 x 30 x 3mm G.I. with PP Powder Coating
Connections	1" / 1.25" *
Electric Backup	1.25"
Warrantee*	8 Years on Silver Series 1 years on Pressurized Model



UV Rays Solar Orange Series



Save Electricity



Save Money



Solar Powered



5 Years Warranty



Technical Specifications of Vacuum Tube

Material	1.6mm Borosilicate 3.3 glass
Outer Diameter	58mm (whatever applicable)
Inner tube diameter	47mm (whatever applicable)
Tube Length	1800mm / 2100mm (whatever applicable)
Absorptive coating	CU - AL - N / SS (Three Layer)
Vacuum	$P < 5 \times 10^{-3}$ PA
Absorptance	$> 92\%$ (Am1.5)
Glass thickness	1.6mm
Emittance	$< 8\%$ (80°C)
Thermal expansion	3.3×10^{-6} °C
Stagnation temperature	$> 200^\circ$ C
Heat loss	$> < 0.8$ w/sq.mtr.
Maximum strength	> 0.8 MPa

Technical Specifications for Tank

Inner Tank	2.5 mm Galvanized Iron (G.I.) TIG & MIG Welded
Inner Coating	High Grade Anti-Corrosive Coating
Outer Cladding	0.45 mm Galvanized Iron (G.I.)
Outer Coating	Poly propylene Powder Coating
Insulation	50mm PUF (38kg. / mt3 density)
Stand	1.6mm (G.I.) with PP Powder Coating Or 30 x 30 x 3mm G.I. with PP Powder Coating
Connections	1" / 1.25" *
Electric Backup	1.25"
Warrantee*	5 Years on Orange Series 1 years on Pressurized Model



UV Rays Solar Flat Plate Collector

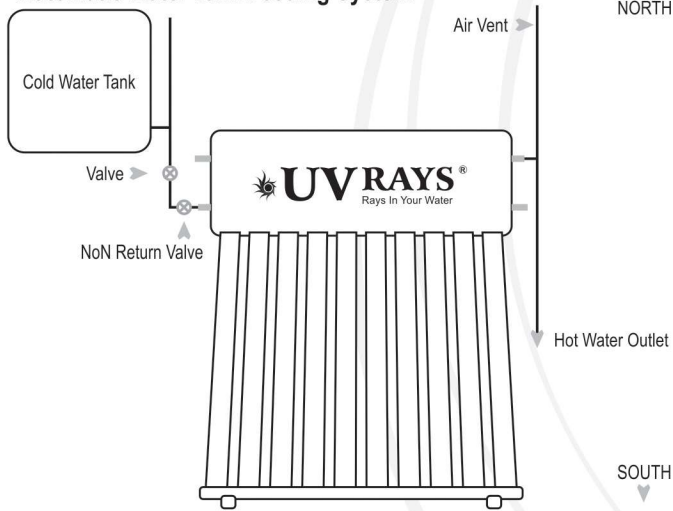


-  Save Electricity
-  Save Money
-  Solar Powered
-  5* Years Warranty

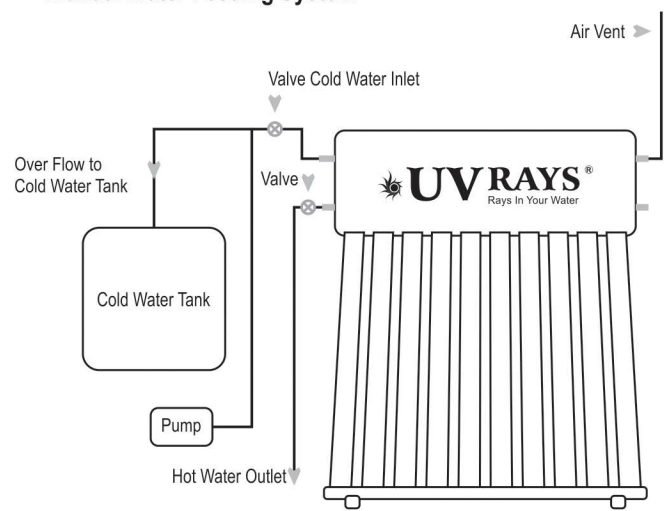
Technical Specifications of Collector

Overall size	2030 mm x 1030 mm x 95 mm.
No. of fins per collector	9
Absorber area	Absorber area Appro. 2.06 sq. M
Absorber coating	NALSUN Solar selective coating on copper
Absorptivity	0.92 - 0.96
Emissivity	0.10 - 0.15
Temperature tolerance of coating	More than 200 oC
Absorber sheet (Copper)	0.12 mm thick x 1900mm L x 155mm W
Riser (Copper tube)	O. D. 12.7mm x 0.5 mm thick x 1922 mm L
Bonding between riser	Tube and absorber Ultrasonic welding
Bonding between riser	Tube and header Copper brazing
Hydraulic Test pressure	5 kg/ sq.cm.
Rated pressure	2.5 Kg/ sq. cm.
End connections	Brass flared Flanges of threaded 1" BSP
Back sheet	Aluminum sheet 0.6 / 0.7 mm thick
Reflector	Aluminum foil 0.02 / 0.05 mm thick
Transmittance	> 0.82
Back Insulation	Resin bonded Rockwool 50 mm thick. R=1.67 M2 oC / W, K=0.052W / M2. k
Side insulation	Resin bonded Rockwool 25 mm thick
Grommets & gaskets	EPDM rubber
Thermal performance	FRUL \leq 6 W / M2 oC, FR (T&) \geq 0.65

Automatic Water Tank Feeding System

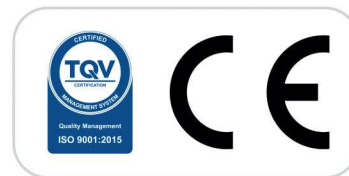


Manual Water Feeding System



Area Occupied on Terrace by the System			
Capacity in Liter	Required Area (Feet)	Capacity in Liter	Required Area (Feet)
100	6 x 3	300	6 x 7.5
150	6 x 4	500	7 x 9
200	6 x 5.5	500 (Manifold Sys.)	9 x 14
250	6 x 6.5	750 (Manifold Sys.)	10.5 x 14





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