

Solar Water Heater (FPC type)



Features:

- -SUM design for uniform heat gain and zero cold spots.
- Solar KEYMARK German and ISI certified collectors.
- Super sleek Design with UV resistant exterior finish.
- HCFC free polyurethane Insulation.
- No grouting required for installation.
- Easy Self support stands for User Friendly Installation.
- Suitable for Flat Roof and Slop Roof installation.

Specifications :

Model	: PolyZol Plus	PrezZOL	ScaleGuard
Application	: Hot water for bathing		
Water Input	: Soft Water	Soft and Pressurized water	Hard Water (Up to 200 PPM)
Type of Heating	: Thermosyphon, Gravity Feed	Thermosyphon, Pressurized Inlet	Thermosyphon, Gravity Feed, Indirect Heating Heat Exchange Method, Gravity Flow.
Operating Pressure	: Atmospheric	4.0 kg / cm ²	Atmospheric
Solar Collector	: ISI Mark, TUV Germany Solar Keymark Certified.		
Copper	: 99.9% purity certified.		
Aluminium	: HE9T grade for toughness		
Insulation	: Unique, Aluminium laminated Rockwool, giving excellent Bonding & reflective properties.		
Inner storage tank	: Stainless steel - 304, SSLN8 ribbed deep drawn.	Thicker Guage Tank Stainless steel-304, ribbed deep drawn.	Tank with tubular, Heat exchange for hard water application. Stainless steel-304, ribbed deep drawn.
Welding	: TIG welded		
Outer tank	: Polyzol steel, alloy steel marine grade.		
Insulation	: HCFC free PUF.		
Turbo Adaptor	: Provided over inlet.		
ZDZ heater	: With programmable thermostat, and rain proof cover.		
Capacity / Area Required	: Type 1 100 LPD 200 LPD 300 LPD	: Type 2 125 LPD - 1.5 x 2.5 mtrs. 250 LPD - 2.5 x 2.5 mtrs. 375 LPD - 3.5 x 2.5 mtrs.	: 100 LPD System -1.5 x 2.5 mtrs. 200 LPD System - 2.5 x 2.5 mtrs. 300 LPD System - 3.5 x 2.5 mtrs.
Load on roof (with water)	: Type 1 100 LPD - 225 kgs. 200 LPD - 375 kgs. 300 LPD - 675 kgs.	: Type 2 100 LPD - 255 kgs. 200 LPD - 425 kgs. 300 LPD - 755 kgs.	
Tool Kit	: With normal hardware and connecting accessories.		
Temperature drop	: Overnight is less than 5 deg. Celsius During usage - Within 5% of rated output parameters.		
Water quality required	: Portable, free of chloride (< 35 ppm) & free of hardness (< 200 ppm)		

Solar Water Heater (ETC type)



Features:

- German Solar Keymark, Certified Product.
- Sputter deposited three coating of high temperature absorption.
- Non contact Copper Coating in vacuum for clog free performance.
- Ultra Modern Azuretech support structures for easy fitment to varied roof types.
- Oligodynamic antibacterial system to ensure water freshness & soothing bath.
- HCFC Free, Eco Friendly, High Density PUF Insulation for High Heat Retention.
- Suitable for Soft and Hard Water Areas (Refer Specification).
- Magnesium Anode for Galvanic Protection.



Specifications :

Model	: SU12-125 LPD, SU20-200 LPD, SU30-300 LPD.
Type	: Thermosyphon, Gravity feed
Operating Pressure	: Atmospheric
Collector	: Tubular Double shelled, Selective coated, Solar keymark (TUV,Germany) Certified.
Area Required	: SU12-1100x1800x1300mm SU20-1700x1800x1300mm SU30-2500x1800x1300mm
Collector Size	: Dia-58mm, Length-1800mm
Collector Material	: AZZURO Selective coated borosilicate glass-3.3mm
Vacuum Level	: 10 ⁻⁶ mm
Storage System	: Insulated Tank, Horizontal Type.
Tank Material	: Stainless Steel-304, SSLN8 Ribbed steel and deep drawn ends.
Tank insulation	: HCFC Free Polyurethane Insulation - 50mm thick.
insulating material	: Thermal Conductivity of K = 0.022 W / m ² *K
Tank Cladding	: Aluminium/Zinc coated alloy steel
Sealing for Collector	: Silicon Rubber
System Support Structure	: Anodized Aluminium.
Galvanic Corrosion Protection	: Sacrificial Anode-Magnesium alloy type
Antibacterial Protection	: Oligodynamic system
Backup Heating	: 1.5Kw 220V AC
Temperature Rise	: 60°C ± 5°C on standard Ambient conditions of radiation at 1000W/mtr ² and 25°C Ambient Temperature
Water quality required	: Portable, free of chloride (or < 35ppm), Free of hardness (or <200ppm)

Products Approved by:

