

Solar Water Heating System



Description	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	2.5 kg / cm ²	Atmospheric											
Solar Collector	ISI Mark, TUV Germany Solar Keymark Certified.													
Copper	Birla ingot processed 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	<table border="0"> <tr> <td>Type 1</td> <td>Type 2</td> </tr> <tr> <td>100 LPD System</td> <td>125 LPD System - 1.5mtrs x 2.5 mtrs.</td> </tr> <tr> <td>200 LPD System</td> <td>250 LPD System - 2.5mtrs x 2.5 mtrs.</td> </tr> <tr> <td>300 LPD System</td> <td>375 LPD System - 3.5mtrs x 2.5 mtrs.</td> </tr> </table>		Type 1	Type 2	100 LPD System	125 LPD System - 1.5mtrs x 2.5 mtrs.	200 LPD System	250 LPD System - 2.5mtrs x 2.5 mtrs.	300 LPD System	375 LPD System - 3.5mtrs x 2.5 mtrs.	<table border="0"> <tr> <td>100 LPD - 1.5mtrs x 2.5 mtrs.</td> </tr> <tr> <td>200 LPD - 2.5mtrs x 2.5 mtrs.</td> </tr> <tr> <td>300 LPD - 3.5mtrs x 2.5 mtrs.</td> </tr> </table>	100 LPD - 1.5mtrs x 2.5 mtrs.	200 LPD - 2.5mtrs x 2.5 mtrs.	300 LPD - 3.5mtrs x 2.5 mtrs.
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Load on roof (with water)	<table border="0"> <tr> <td>Type 1</td> <td>Type 2</td> </tr> <tr> <td>100 LPD System - 225 kgs.</td> <td>125 LPD System - 255 kgs.</td> </tr> <tr> <td>200 LPD System - 375 kgs.</td> <td>250 LPD System - 425 kgs.</td> </tr> <tr> <td>300 LPD System - 675 kgs.</td> <td>375 LPD System - 755 kgs.</td> </tr> </table>		Type 1	Type 2	100 LPD System - 225 kgs.	125 LPD System - 255 kgs.	200 LPD System - 375 kgs.	250 LPD System - 425 kgs.	300 LPD System - 675 kgs.	375 LPD System - 755 kgs.				
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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)													