Solarizer
Solar Hot Water Systems
DEPENDABLE . DURABLE . DISTINCTIVE

EMMVEE

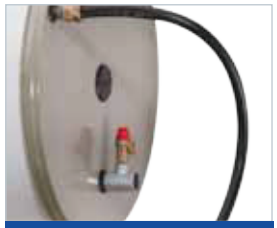
Solarizer ultra

Extreme performance under hard water

Brass dummy flange

Glycol top-up tank

Pressure release valve


Composite pipe

Anode meter

PRODUCT SPECIFICATIONS	
HOT WATER STORAGE TANK SPECIFICATIONS	
Material of storage tank	Glass enamel coated
Insulation	CFC free PUF - Thickness: 50 mm
Outer cladding	Pre-coated steel (RAL 7035)
Safety valve	Airvent for thermosyphon & 6 bar safety valve for pressurised system
Electrical backup heater	2 kW backup heater/ 220 V AC
Working pressure	6 bar for pressurised system
Tank construction	Jacket type heat exchanger
Tank protection	Aluminium anode
Tank capacity	100, 200, 300 and 500 LPD
COLLECTOR SPECIFICATIONS	
Absorber construction	Single sheet absorber
Absorber coating	High selective coating Absorptivity: 0.95 +/-0.02 Emmissivity: 0.5+/-0.02
Riser	Copper: 12.7 mm
Header	Copper: 25.4 mm
Bonding - header and riser	Brazing
Bonding - absorber and harp	Laser welding
Back insulation	50 mm Rockwool with owens corning black sheet
Collector material	Extruded aluminium with grey colour powder coating
Collector back sheet	Aluminium
Glazing	Solar glass
Retainer key for glass	Extruded aluminium with grey colour powder coating
Rubber beading for glass	EPDM rubber
Heat exchange medium	Glycol mixture (Primary circuit)
Weight of collector (dry)	32 kg
Maximum working pressure	10 bar
MOUNTING SYSTEM (STAND)	
Material	Mild steel structure with powder coating
CONNECTIONS (TANK TO COLLECTOR)	
Material	Composite pipe with brass end fitting/EPDM rubber hose
SYSTEM COLOUR	
System colour	Grey (RAL 7037 & RAL 7035)

Features	
• Screw design of collector for easy glass replacement	• Corrosion-free system
• New anode mounting	• Hygienic and safe
• Collector fully sealed with gaskets	• Most efficient heating performance
• High-quality PUF insulation on tank	• Long lasting
• Zero blockages due to heat exchanger system	• Total peace of mind

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