



Add : 12003/30 Industrial Area Ebour City.
Telefax Factory : (202) 46651544 - 46650963
Tel.: (202) 2290 8369 - 2290 8378
Fax: (202) 2290 2649

العنوان : ٣٠/١٢٠٠٣ بالمنطقة الصناعية بمدينة العبور
تليفاكس المصنع : ٤٦٦٥١٥٤٤ (٠٢) - ٤٦٦٥٠٩٦٣ (٠٢)
ت.الإدارة : ٢٢٩٠٨٣٦٩ - ٢٢٩٠٨٣٧٨ - ٢٢٩٠٢٦٣٢ (٠٢)
فاكس : ٢٢٩٠٢٦٤٩ (٢٠٢)

Email: - info@isogreenegypt.com
www.isogreenegypt.com

2- Storage Tank Specifications:-

1	Inner tank material	1.4 mm stainless steel 304
2	Outer cover material	Galvanized steel covered by electrostatic coating
3	Insulation material	60 mm injected between inner and outer tanks made of polyurethane
4	Heat booster (Backup)	Elec. 220V 2000 W
5	Thermostat control	Automatic heat booster control (built in e-heater)
6	Testing Pressure	7-10 bar
7	Safety PT valve	a- Pressure safety b- Temp. safety
8	Relief valve	To save the tank from negative pressure
9	Installation and mounting base	Galvanized coated steel
10	Magnesium Road	anti-corrosion (2 Magnesium Road / tank)

3- Technical Data

Item	Specification
Solar water heater system type	Pressurized
Absorber (collector) type	Vacuum (evacuated) tubes
Temperature	Up to 95 °C
Collector area	≥ 2.9 m ²
Collector absorption ratio	0.90 – 0.95 (AM 1.5)
Collector reflection ratio	0.04 – 0.06 (80 °C)
Collector insulation	Vacuum P≤5*10 ⁻⁴ Pa
Stagnation parameter using air as medium	250 m ² °C/kw
Solar radiance exposure for obtaining a preset water temperature	≤ 2.8 MJ/M ²
Average heat waste coefficient	≤ 0.6 w /(m ² °C)
Working pressure	12kg/cm ²
Storage tank material (inner tank)	Stainless steel
Storage tank material (outer tank)	Galvanized color steel
Storage tank insulating layer	≥ 55 mm thickness polyurethane foam 45kg/m ²
Storage tank accessories	Magnesium rod , electrical heater hole , water inlet connection , water out let connection
Material of bracket	Stainless steel
Angle of bracket	26-30°
Test & Requirements standards	According to EN 12975
Warranty	5 years

No	Model	Collector Type	No. of Evacuated Tubes	Tube Size (cm)	No of persons	Tank Capacity (L)	Dimensions (mm)
1	ISO-WH-10	Evacuated tubes with Heat Pipe	10	180*5.8	2	100	1000*2000
2	ISO-WH-15	Evacuated tubes with Heat Pipe	15	180*5.8	3	150	1500*2000
3	ISO-WH-18	Evacuated tubes with Heat Pipe	18	180*5.8	4	180	1800*2000
4	ISO-WH-20	Evacuated tubes with Heat Pipe	20	180*5.8	5	200	2000*2000
5	ISO-WH-30	Evacuated tubes with Heat Pipe	30	180*5.8	6	300	3000*2000
5	ISO-WH-36	Evacuated tubes with Heat	36	180*5.8	8	360	3600*2000

The Design parameters of the delivered (SWH)