

Quality Solar Systems

S O L E
SOLAR SYSTEMS MANUFACTURER

Solar Water Heater

EUROSTAR ECO

Durable

withstanding **22,5 bar** pressure!!!

Discrete

with a low version (hidden tank) for
preserving architectural designs.

The new series of thermosiphon systems EUROSTAR ECO, have been designed in order to cope with the demands of any market all over the world specializing in very hot climates without the need for refilling the solar circuit.

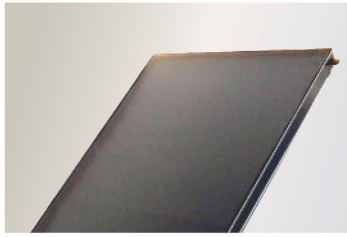


The EUROSTAR ECO solar water heater is manufactured in compliance with the International Standards for Quality Assurance ISO 9001:2008, is tested according to international standards EN12976-1-2.

The collector's performance and reliability is tested according to EN 12975-2. The system has been granted with the Solar Keymark Certificate.



www.eurostar-solar.com

Eurostar **EcoCollector**

The EUROSTAR ECO collector casing is made of specially designed extruded aluminum profile, without any external connections, screws, nuts or rivets. The Rockwool insulation will maintain very high temperatures achieving an incredibly high efficiency.

The absorber is composed of Blue Selective Aluminum fins 0,50mm thickness, welded to copper pipes with laser welding.

The thermal liquid achieves maximum transfer of heat to the water while protecting the system against scaling, rusting, freezing and overheating.

Eurostar **EcoTank**

The EUROSTAR ECO tank has a mild steel external casing, with high temperature oven powder coating for maximum protection from rain, sun and salty environment, ensuring durability and an elegant appearance.

The FREON FREE polyurethane insulation is casted under pressure in the tank, surrounding the cylinder and maintaining hot water for up to 48 hours.

The new revolutionary heat exchanger of the closed circuit assures instant hot water at very high temperature. The tank is made of low carbon steel with a double "enameling" coating (glass), oven-treated at 860°C.

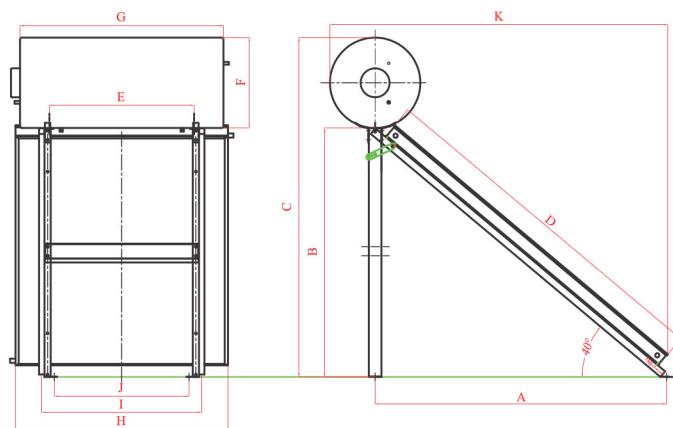
The magnesium anode effectively protects the cylinder from electrolysis. The backup electric heater ensures hot water even in very cloudy days.



THERMOSIPHON SYSTEMS

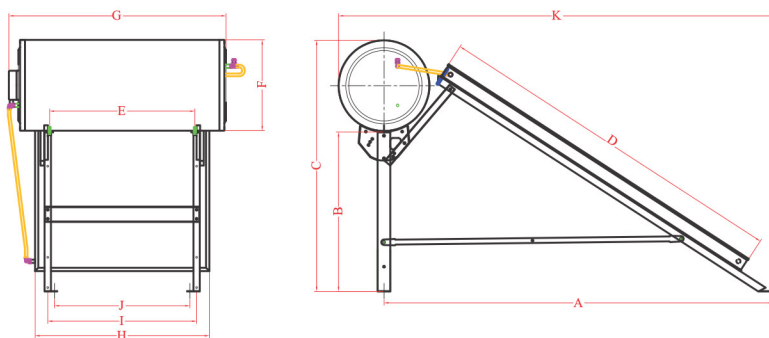
EUROSTAR ECO SPECIFICATIONS

	TYPE	80-1-S100	100-1-S125	125-1-S150	150-1-S200	150-1-S230	200-1-S200	200-1-S230	200-1-S260	300-2-S200	300-2-S230
SOLAR COLLECTORS											
NUMBER OF COLLECTORS		1	1	1	1	1	1	1	1	2	2
AREA OF COLLECTORS m ²		0.99	1.23	1.48	1.88	2.28	1.88	2.28	2.64	3.76	4.56
DIMENSIONS mm		1026x960x81	1280x960x81	1540x960x81	1960x960x81	1960x1165x81	1960x960x81	1960x1165x81	2135x1238x81	1960x960x81	1960x1165x81
WEIGHT kg		20,00	22,00	24,00	29,50	35,50	29.50	35.50	40.00	59.00	71.00
FRAME	Aluminum profile. Free of screws and rivets.										
COVER	Tempered low iron prismatic glass 3.2 mm. 90,5% transmission.										
SEALING	Acrylic foam - Structural Silicon										
INSULATION	Rockwool 40mm (50kg/m ³) back and Glass wool 20 mm (30kg/m ³) sides										
ABSORBER MATERIAL	Blue Selective Aluminum fins 0,50mm thickness, welded to copper pipes with laser welding.										
ABSORPTION (α)	95% (± 0.02)										
EMISSIVITY (ε)	5% (± 0.02)										
EFFICIENCY (η _s)	0.763										
MAX. WORKING PRESSURE	1000kPa										
MAX. WORKING TEMPERATURE	150°C										
TANK											
NOMINAL CAPACITY (lt)		80	100	125	150	150	200	200	200	300	300
WEIGHT EMPTY (kg)		32	41	49	55	55	61	61	61	95	95
BOILER BODY	The boiler "body" is made from USD 37.2 steel plate. The boiler is (glass) enameled with the advanced double "direct" method "fired" at 860°C										
HEAT EXCHANGER	Internal heat exchanger made from 3.0 mm EN-10219 steel certified for testing pressure at 22,5 bar & operating pressure of 15 bar										
INSULATION	Freon free Polyurethane 40-50mm (40kg/m3) casted under pressure.										
EXTERNAL COVER	Steel sheet galvanized, powder coated, oven treated RAL 9006.										
ANODE PROTECTION	Magnesium rod										
MAX. WORKING PRESSURE	10 bar										
MAX. WORKING TEMP. OF SOLAR CIRCUIT	150°C										
MAX. WORKING PRESS. OF SOLAR CIRCUIT	15 bar										
TEST PRESSURE OF SOLAR CIRCUIT	22,5 bar										



STANDARD HEIGHT DIMENSIONS mm.

TYPE	A	B	C	D	E	F	G	H	I	J	K
80-1-S100	897	776	1216	1026	480	440	870	960	565	425	1123
100-1-S125	1092	940	1380	1280	650	440	1030	960	735	595	1317
125-1-S150	1291	1107	1547	1540	800	440	1080	960	895	745	1516
150-1-S200	1613	1377	1877	1960	800	500	1195	960	895	745	1868
150-1-S230	1613	1377	1877	1960	800	500	1195	1165	895	745	1868
200-1-S200	1613	1377	1907	1960	800	530	1215	960	895	745	1883
200-1-S230	1613	1377	1907	1960	800	530	1215	1165	895	745	1883
200-1-S260	1747	1489	2019	2135	800	530	1215	1238	895	745	2017
300-2-S200	1613	1377	1907	1960	1345	530	1905	1980	1439	1289	1883
300-2-S230	1613	1377	1907	1960	1345	530	1905	2390	1439	1289	1883

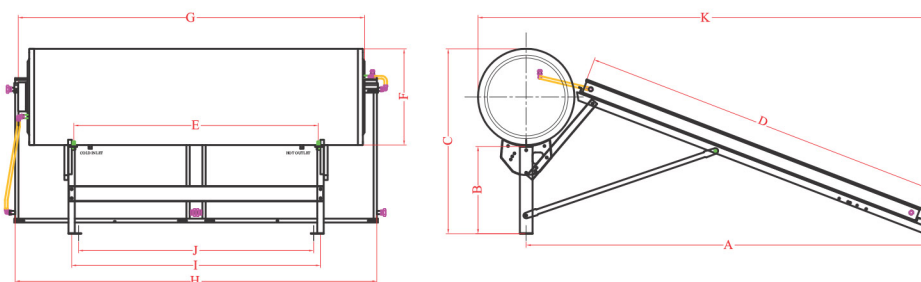
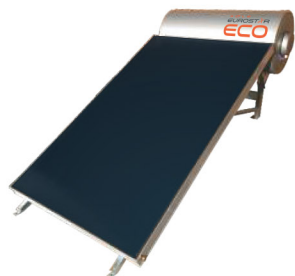


LOW HEIGHT DIMENSIONS mm.

TYPE	A	B	C	D	E	F	G	H	I	J	K
150-1-S200	2147	878	1383	1960	800	500	1195	960	820	745	2411
200-1-S230	2147	878	1413	1960	800	530	1215	1165	820	745	2426
300-2-S200	2147	878	1413	1960	1345	530	1905	1980	1370	1295	2426

The new thermosiphon system of SOLE is also available in low height in three sizes, 150, 200 and 300ltr.

SOLE's respect for
the environment
starts at the
production stage.

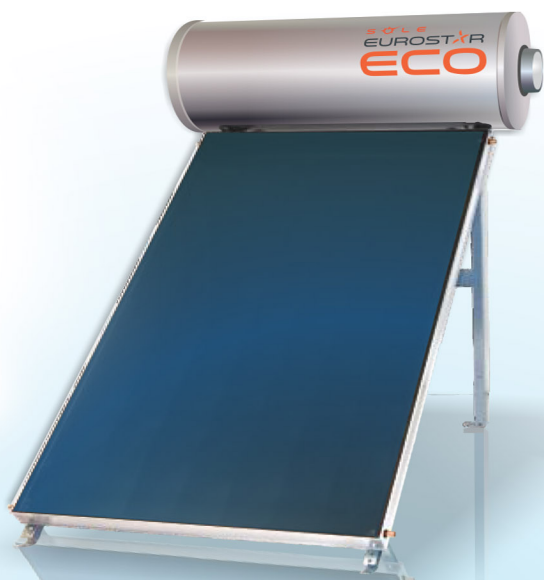


EXTRA LOW HEIGHT DIMENSIONS mm.

TYPE	A	B	C	D	E	F	G	H	I	J	K
150-1-S200	2231	480	988	1960	800	500	1195	960	820	745	2495
200-1-S230	2231	480	1018	1960	800	530	1215	1165	820	745	2510
300-2-S200	2231	480	1018	1960	1345	530	1905	1980	1370	1295	2510



SOLE S.A. is the inventor of the closed circuit Solar Water Heater.



Advantages

- Maximizes efficiency
- No need for refilling the solar loop
- Best aesthetic results. Low version with hidden tank available
- Easy to install
- Minimum maintenance needed
- Anode protection

Commitment to the Environment

Since its foundation in 1974 SOLE S.A. has been committed to the protection of the environment and the reduction of CO₂ emission.

SOLE S.A. holds numerous prizes and environmental distinctions, contributing with its products to the improvement of environment in all 5 continents.

SOLE S.A.

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