

solar energy
systems



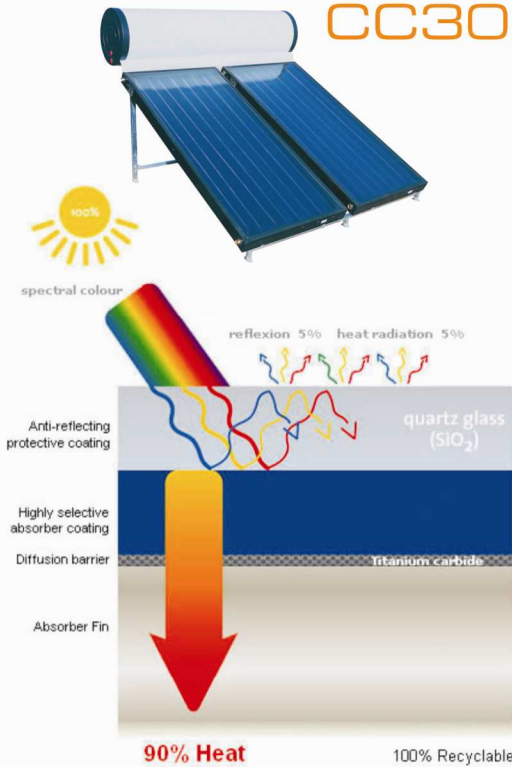
we are directing Energy...



limpia[®]
solar system **MAX CC300**

 **SGF ENERGY SYSTEMS**
Industry & Trade Corporation





Selective Coating

Absorber Sheet : The selective absorptive surface from; titanium nitrite-oxyde covered copper, is used at LIMPIA collectors, minimize the reflective loss which decreases the efficiency, and transfers the maximum ratio of radiaton heat from sun, to the plate.

Solar Glass : Low ironed tempered prismatic designed glass, minimizes the reflection of sun-ray, and maximizes sun-ray lead in, the collector. Through this, increases the collector efficiency. Prismatic designed glass, is manufactured at best facility and has one of the best performance collector glass in Europe.

Chasis Profile : The chasis, used in LIMPIA collectors, is specially designed and patented.

Glass Gasket : At LIMPIA collectors, for preventing water-enter, inside of the collector because of rain or snow reasons, UV-resistant Epdm gaskets are used as glass holder gasket. For the leakage possibility at the corners, glass gaskets provide complete leakproofing.

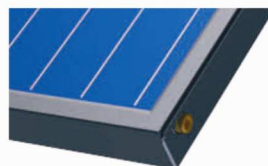
Manifold Gasket : At LIMPIA collectors, for preventing water-enter, inside of the collector because of rain or snow reasons, UV-resistant Epdm gaskets are used as glass holder gasket. For the heat differences possibility at manifold, Epdm gaskets provide complete resistant.

Isolation : At LIMPIA solar collectors, high heat insulated and high density 50 mm thickness rock-wool is used. And at the borders of chasis, 20 mm climate panel is used.

Lower Cover : At LIMPIA solar collectors; resistant to external factors and 0,40 mm thickness; hardened, embossed, aluminum sheet is used. Aluminum sheet provides highest resistant according to external factors like; transportation, installation, wind, snow, rain and temperature.

Ultrasonic Welding Technology : At LIMPIA solar collectors, for integrating of surface absorber and conveyor pipes, ultrasonic welding technology are being used.

MAX PACKAGE SYSTEM	MAX CC300	
The Unit & Type of Collector	2 * C20	
Absorptive Sheet & Surface Covering	Painting Covered- Copper Band 0,12 mm	
Manifold & Absorber Pipe Material	Copper	
Welding Type of Absorptive Sheet & Absorber Pipe	Ultrasonic	
Surface Veil	Normal-Ironed Tempered Glass	
Base & Colleteral Lagging	Glass-Wool & Airconditioning Wlate	
Leakproofing	Epdm & Silicon	
Dimensions	1991*1044*92 mm	
Manifold & Absorber Pipe Total	2 & 9 Pieces	
Manifold & Absorber Pipe's Diameter	Ø 24,0 & Ø 12,7 mm	
Flow	102 lt/h	
Test & Maximum Working Pressure	20 bar & 10 bar	
Case	Electrostatic Painted Aluminium	
Base Wlate	Embossed Aluminium	
Boiler Capacity	300 Liter	
Fixing Material & Supports	Included	
Net Capacity (lt)	282	
Testing Pressure (bar)	12	
Maximum Operating Pressure (bar)	10	
Recommended Operating Pressure (bar)	6	
Maximum Operating Temperature (C)	94	
Insulation Material	PU	
Insulation Thickness/Density (mm/kg/m3)	40/42	
Hot & Cold Water Output Pipe Dimension	½ inch	
Collector Inlet & Outlet Dimension	½ inch	
Protection Against Corrosion	Enamel	Double MG Anode
Backup Support Electrical Element	0,75-4,00 kW	
Inner Cylinder Material	DCP ST37-2	
Thickness (mm)	3,00	
External Material	Pre-Painted Galvanized	
Thickness (mm)	0,50	
Total Dimensions (mm)	1300*Ø580	
Heat Exchanger Capacity (lt)	5,55	
Heat Exchanger Surface (m²)	1,585	
Weight Empty (kg)	107	
Weight Full (kg)	367	



Collector



Selective Covered Wing