

solar energy
systems



we are directing Energy...



limpia[®]
solar system C18



COLLECTOR CHARACTERISTICS	LIMPIA C18
Absorptive Sheet & Surface Covering	Selective Covered Copper Band 0,12 mm
Manifold & Absorber Pipe Material	Copper
Welding Type of Absorptive Sheet & Absorber Pipe	Ultrasonic
Surface Veil	Low-Ironed Tempered Glass
Base & Colleteral Lagging	Rock-Wool & Airconditioning Wlate
Leakproofing	Epdm & Silicon
Dimensions	1930*930*92 mm
Manifold & Absorber Pipe Total	2 & 8 Pieces
Manifold & Absorber Pipe's Diameter	Ø 18,0 & Ø 8,0 mm
Flow	88 lt/h
Test & Maximum Working Pressure	20 bar & 10 bar
Case	Electrostatic Painted Aluminium
Base Wlate	Embossed Aluminium

Features, that would be changed according to customers' claim

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.

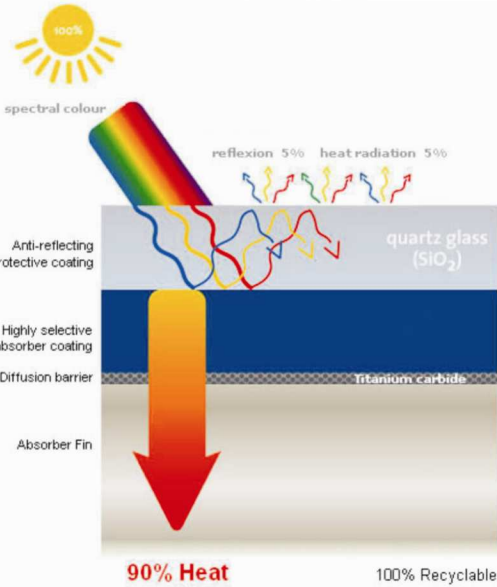
Glass Gasket : At LIMPIA collectors, for preventing water-enter, inside of the collector because of rain or snow reasons, UV-resistant Epdm gaskets are used as glass holder gasket. For the leakage possibility at the corners, glass gaskets provide complete leakproofing.

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.

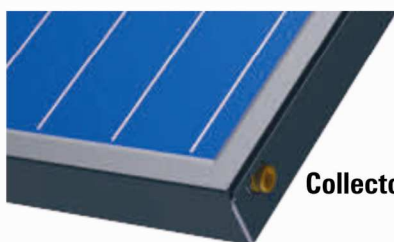
Ultrasonic Welding Technology : At LIMPIA solar collectors, for integrating of surface absorber and conveyor pipes, ultrasonic welding technology are being used.



Selective Coating



Rock - Wool Isolation



Collector



Selective Covered Wing