

solar energy  
systems



*we are directing Energy...*



limpia<sup>®</sup>  
solar system C20



COLLECTOR CHARACTERISTICS	LIMPIA C20
<b>Absorptive Sheet &amp; Surface Covering</b>	Selective Covered Copper Band 0,12 mm
<b>Manifold &amp; Absorber Pipe Material</b>	Copper
<b>Welding Type of Absorptive Sheet &amp; Absorber Pipe</b>	Ultrasonic
<b>Surface Veil</b>	Low-Ironed Tempered Glass
<b>Base &amp; Colleteral Lagging</b>	Rock-Wool & Airconditioning Wlate
<b>Leakproofing</b>	Epdm & Silicon
<b>Dimensions</b>	1991*1044*92 mm
<b>Manifold &amp; Absorber Pipe Total</b>	2 & 9 Pieces
<b>Manifold &amp; Absorber Pipe's Diameter</b>	Ø 18,0 & Ø 8,0 mm
<b>Flow</b>	102 lt/h
<b>Test &amp; Maximum Working Pressure</b>	20 bar & 10 bar
<b>Case</b>	Electrostatic Painted Aluminium
<b>Base Wlate</b>	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.

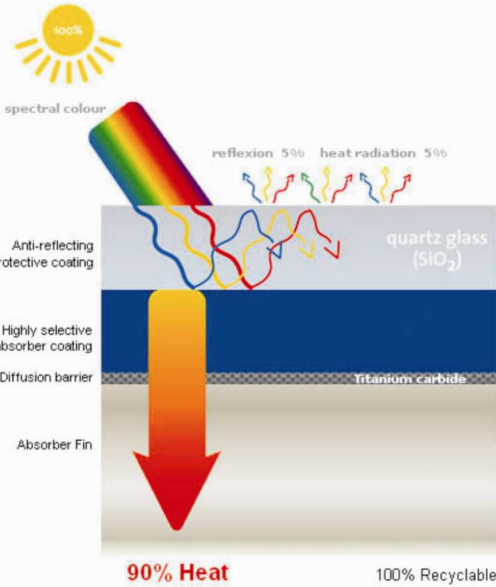
**Glass Gasket** : At LIMPIA collectors, for preventing water-enter, inside of the collector because of rain or snow reasons, UV-resistant Epdm gaskets are used as glass holder gasket. For the leakage possibility at the corners, glass gaskets provide complete leakproofing.

**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.

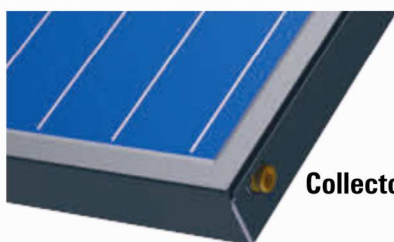
**Ultrasonic Welding Technology** : At LIMPIA solar collectors, for integrating of surface absorber and conveyor pipes, ultrasonic welding technology are being used.



**Selective Coating**



**Rock - Wool Isolation**



**Collector**



**Selective Covered Wing**