

solar energy
systems



we are directing Energy...



limpia[®]
solar system C24

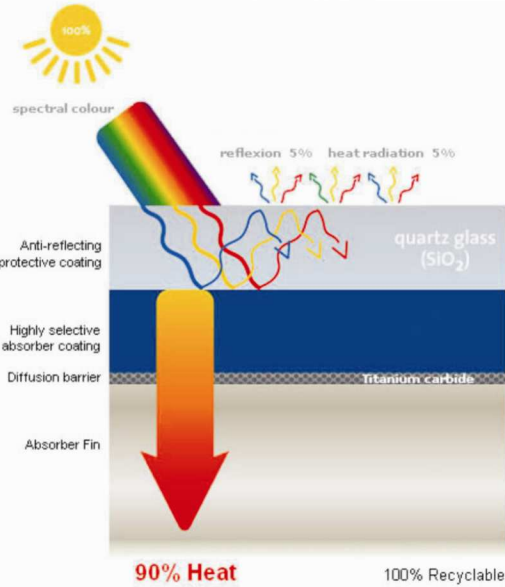
 **SGF ENERGY SYSTEMS**
Industry & Trade Corporation





| COLLECTOR CHARACTERISTICS | LIMPIA C24 |
|---|---------------------------------------|
| 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 | 1991*1221*92 mm |
| Manifold & Absorber Pipe Total | 2 & 10 Pieces |
| Manifold & Absorber Pipe's Diameter | Ø 18,0 & Ø 8,0 mm |
| Flow | 120 lt/h |
| Test & Maximum Working Pressure | 20 bar & 10 bar |
| Case | Electrostatic Painted Aluminium |
| Base Wlate | Embossed Aluminium |

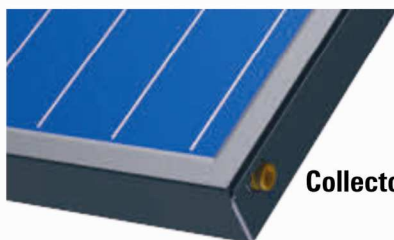
Features, that would be changed according to customers' claim



Selective Coating



Rock - Wool Isolation



Collector

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.

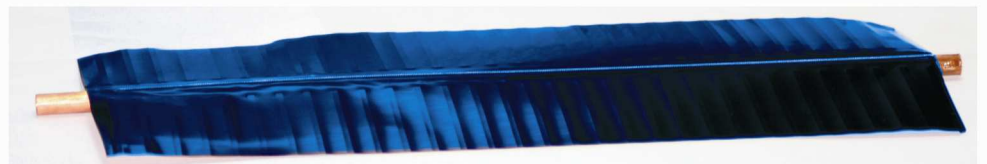
Glass Gasket : At LIMPIA collectors, for preventing water-enter, inside of the collector because of rain or snow reasons, UV-resistant Epdm gaskets are used as glass holder gasket. For the leakage possibility at the corners, glass gaskets provide complete leakproofing.

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 Covered Wing