

TOP PERFORMANCES IN WINTER TIME

Perfectly functioning
even when the temperature
drops drastically.

We combine creativity and strategy, ideas and technology, innovation and design to produce X-RAY solar collectors guaranteed by the value of the real MADE IN ITALY and the endorsement of the most prestigious international certification bodies.

From the concept to design, through technologically advanced production cycles: we got a outstanding, reliable and performant quality product.



PERFORMANCE VERSION
3RD TUBE INCORPORATED



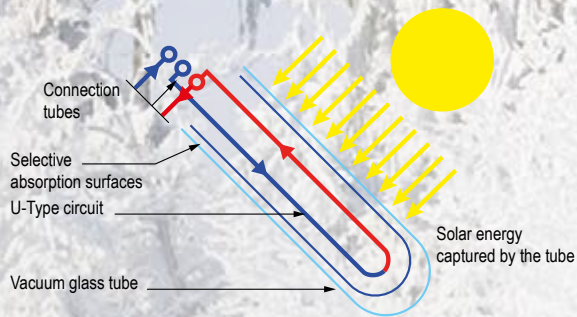
BASIC VERSION
2 TUBES IN THE HEAD

BESCHEINIGUNG*



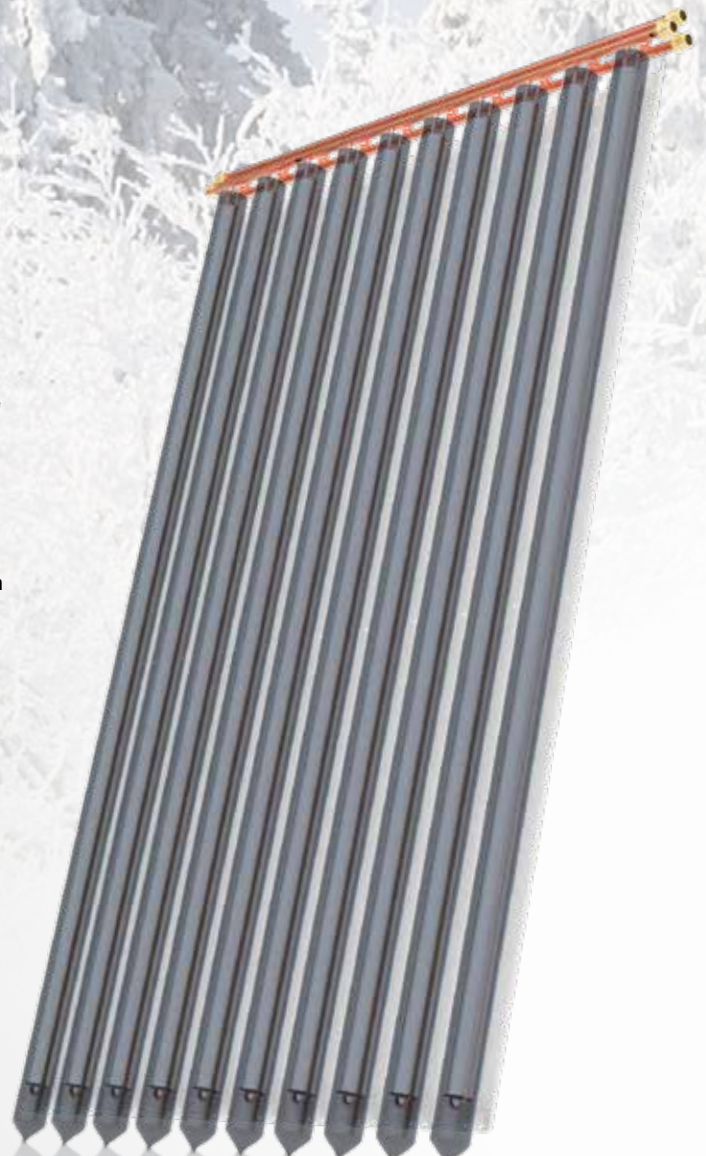
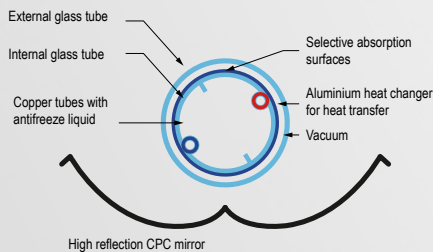
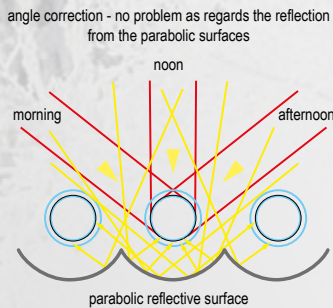
Fraunhofer

CPC TECHNOLOGY Compound Parabolic Concentrator



PLEION INNOVATION CPC - The collector has five main pre-assembled components: CPC parabolic reflectors, vacuum tubes, absorbers, hydraulic circuit including input and return pipes and a third pipe for inverse hydraulic balancing.

The **CPC (Compound Parabolic Concentrator)** reflector, which is highly reflective due to its particular geometry, can increase the energy absorbed by the collector since it can reflect diffused and direct sunlight at any moment of the day, correcting the angles of the sun's rays (morning – afternoon).



INSTALLATION



BASIC AND PERFORMA X-RAY

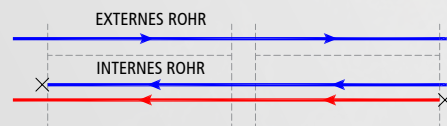
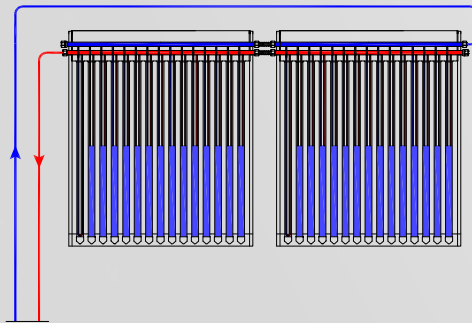
Two hydraulic connection solutions possible.

PLEION's new X-RAY range comes in two hydraulic connection versions, each suited to specific needs.

With PLEION's new range of X-RAY PERFORMA solar vacuum collectors, it is now possible to connect panels in series and in parallel without any external line visible on the roof thanks to the use of the THIRD TUBE INCORPORATED in the collector head.

X-RAY // BASIC

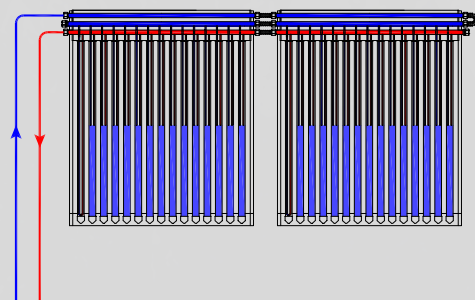
CONNECTION IN PARALLEL WITH TWO TUBES IN THE HEAD



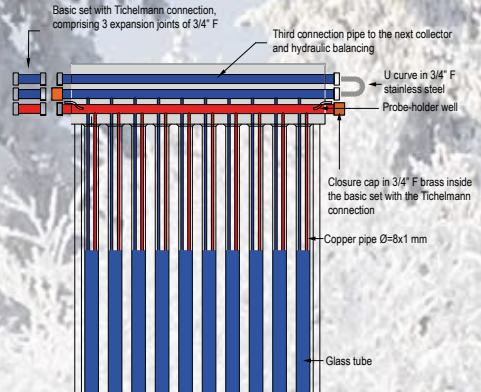
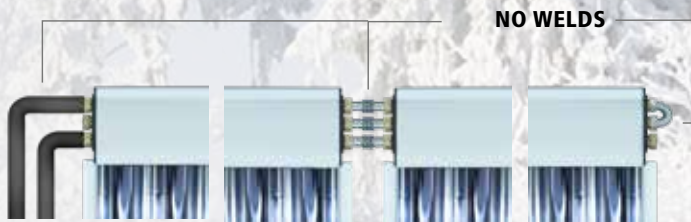
X-RAY // PERFORMA

Third integrated pipe.
More efficiency (+15%)* and harmonious architectural integration.

CONNECTION IN PARALLEL WITH A THIRD TUBE INCORPORATED



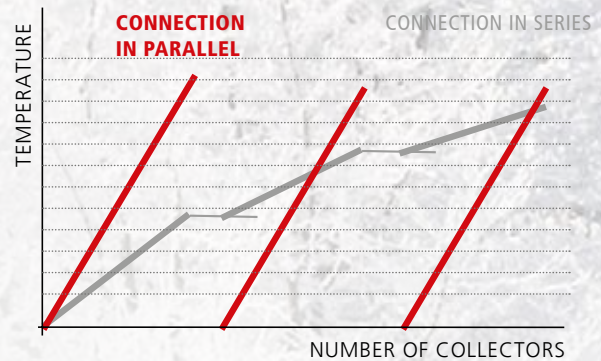
CONNECTION IN PARALLEL THIRD TUBE INCORPORATED X-RAY PERFORMA



PLEION INNOVATION 3rd INTEGRATED PIPE - OPTIONAL

All the X-RAY vacuum collectors can be fitted with integrated hydraulics in the collector:

- NO EXTERNAL PIPES**
 The hydraulics are not exposed externally, guaranteeing the best insulation possible with less heat loss and no wear over time.
- PLUG&PLAY COLLECTORS**
 This technology drastically reduces the time required for roof installation and guarantees a clean, elegant aesthetic result.
- HIGH PERFORMANCE**
 Heating is faster, more efficient and more even, especially in winter, compared to all rival systems with 2-pipe hydraulics.



HYDRAULIC CONNECTIONS WITH PLEION VACUUM COLLECTORS ARE POSSIBLE.

Depending on the collector model, strings from 6 to 12 collectors can be installed, thus decreasing system installation costs due to a lack of materials such as external connection pipes, various valves and labour costs.

