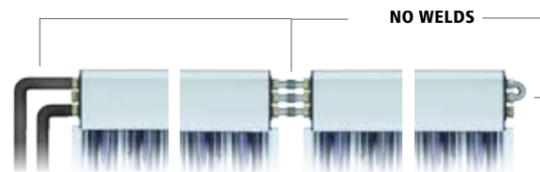


Third integrated pipe. More efficiency (+15%)* and harmonious architectonic integration.



PLEION INNOVATION 3rd INTEGRATED PIPE

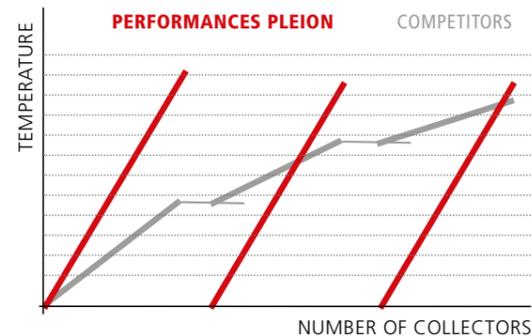
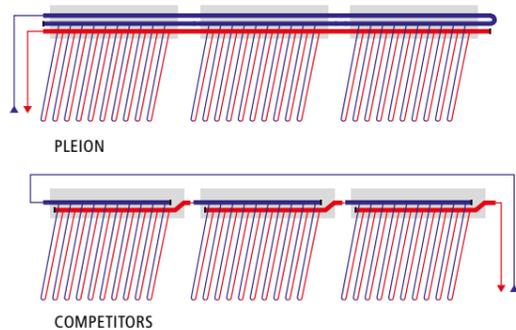
All the 10/15 ECLIPSE and X-RAY vacuum collectors are fitted with integrated hydraulics in the collector:

- **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.



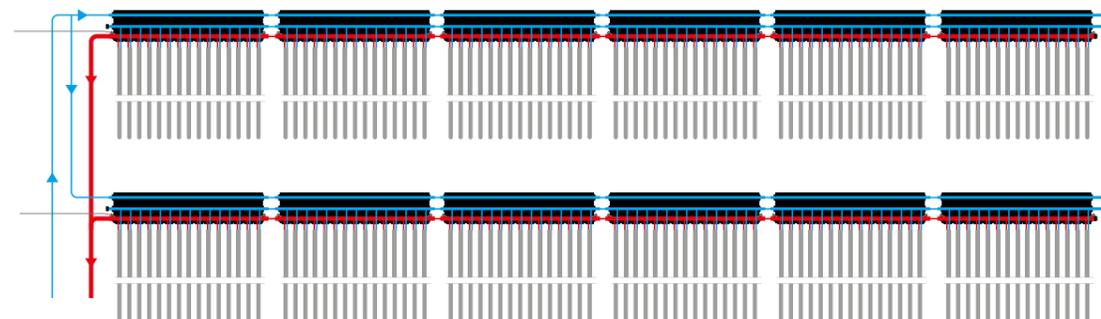
* + 15% efficiency in parallel connection.
PARALLEL CONNECTION EFFICIENCY TESTED
IN THE INTERCOLLEGIATE RESEARCH CENTRE
FOR SUSTAINABLE DEVELOPMENT (CIRPS)

15% HIGHER PERFORMANCE COMPARED TO COMPETITORS



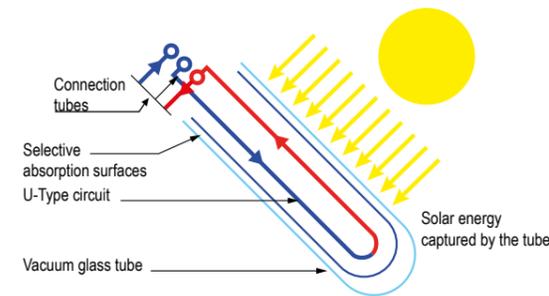
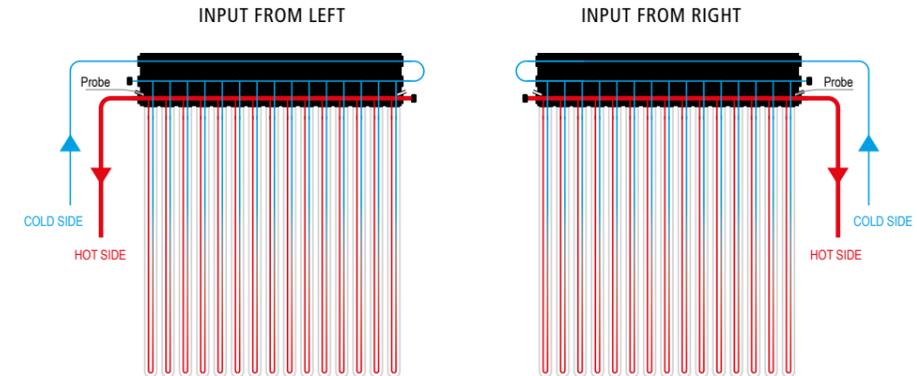
HYDRAULIC CONNECTIONS WITH PLEION VACUUM COLLECTORS ARE POSSIBLE.

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.



REVERSIBLE HYDRAULIC CONNECTIONS

Pleion vacuum collectors have hydraulic connections on both sides, allowing for reversible connection of the external pipes.



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).

