PLEION

The Solar that warms your LIFE!

DESIGNED AND PRODUCED IN ITALY

RESIDENTIAL SOLAR THERMAL

2023

Ver. 02

www.pleion.it

Solar thermal specialists

PLEION is proud to offer the most innovative products on the market. These are completely innovative and revolutionary solar systems that change the rules of the game and are the result of our unique expertise.

Pleion provides complete solutions, from A to Z.

- Solar collectors that perform extremely well in both summer and winter.
- MADE IN ITALY - High quality standards
- Built-in hydraulics circuits, sophisticated appearance, and technical functionality all-in-one.
- Technical support and a qualified management team

Pleion produces and manages innovative systems and solutions, even custom-made, for the industrial and residential.

RESEARCH AND DEVELOPMENT



SOLAR COLLECTORS



SPECIALISED PRODUCTION



QUALITY TESTING



LOGISTICS



TECHNICAL SUPPORT



PLEION
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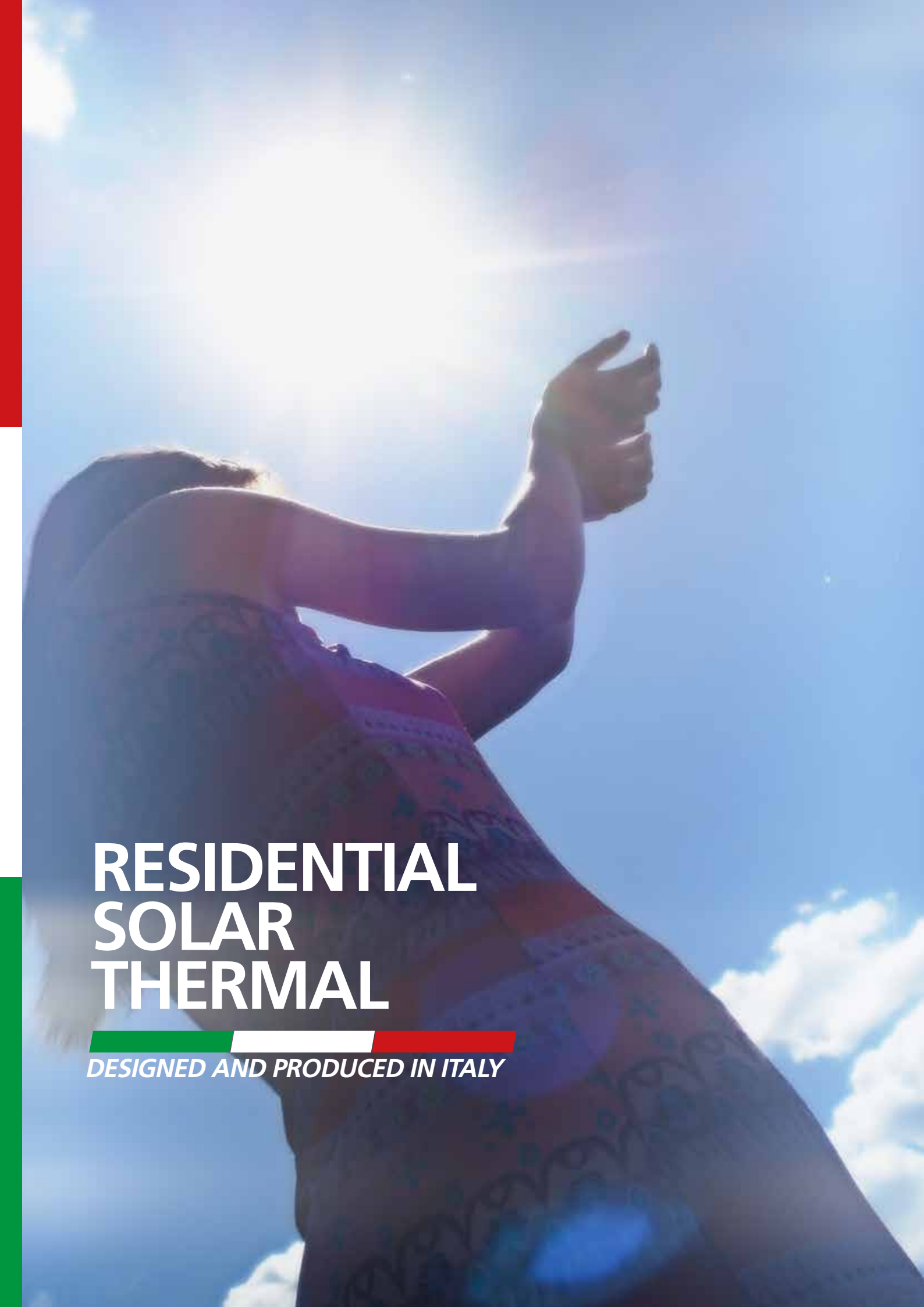


Technology meets the future.

With its exceptional experience behind it, Pleion is a reference point in the Italian solar thermal market.

- Strong industry expertise: complete and exclusive solutions from a single partner.
- Technical TEAM dedicated to the customer.
- Flexibility in design and technology
- Exceptional experience as a market leader in solar thermal.
- Total quality, an expanding portfolio of customers who believe in Pleion's quality and service.





RESIDENTIAL SOLAR THERMAL

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ULTRAFRESH 401



POWER
EFFICIENCY
ENERGY
SAVING
DESIGNED BY PLEION

PLEION's ULTRA range of solar hot water boilers is a new offering of 4 models designed to meet a variety of customer needs. The range offers a choice of boilers with an effective capacity of 401 litres, a modular structure for easy maintenance and customisation, an energy-efficient design and reliability in hot water supply.

4 MODELS AVAILABLE

▶ **ULTRAPR 401**
Technical water puffer with solar exchanger

▶ **ULTRAHR 401**
Technical water puffer with solar exchanger
+ copper exchanger for the production of DHW

▶ **ULTRADUO 401**
Technical water puffer with solar exchanger
+ copper exchanger for the production of DHW
+ integrated solar station and control unit

▶ **ULTRAFRESH 401**
Technical water puffer with solar exchanger
+ module for the production of integrated instantaneous DHW
+ integrated solar station and control unit

The ULTRA range offers customers a high-quality water heating solution with the option to choose a boiler that meets their specific needs.

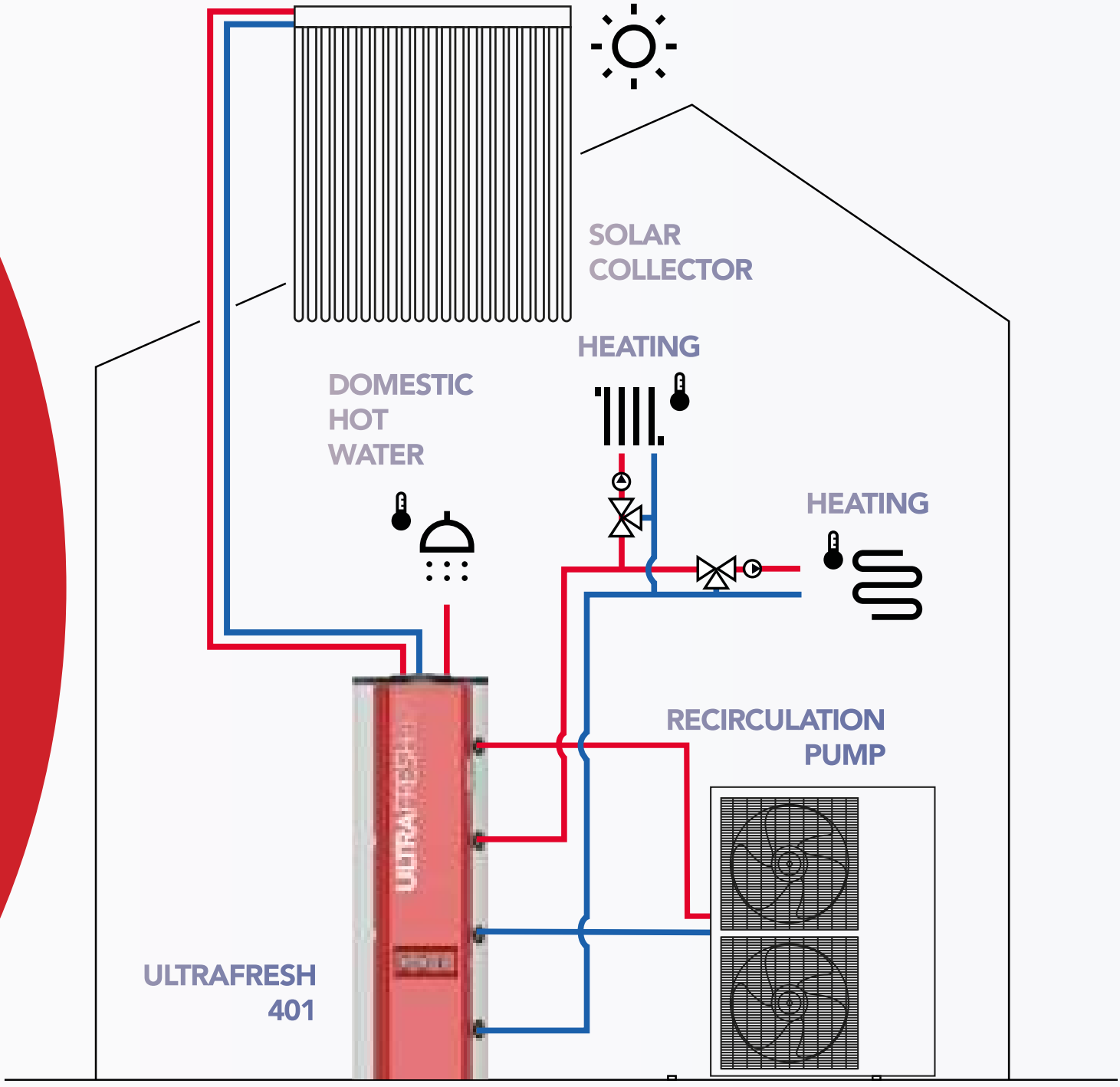
PLEION's new ULTRA range of hot water boilers is designed to meet all customer needs while maintaining a single common denominator: **uncompromising construction quality, energy efficiency, advanced design and functionality, compactness and ease of installation and maintenance.**

www.pleion.it

NEW 2023

THE PERFECT COUPLE!
ULTRAFRESH ECLIPSE 401 + HEAT PUMP

The new **ULTRAFRESH 401 SOLAR SYSTEMS** have been designed to optimise operation of the Heat Pump and to guarantee **MAXIMUM ENERGY SAVINGS** for the production of domestic hot water and for integration with space heating.



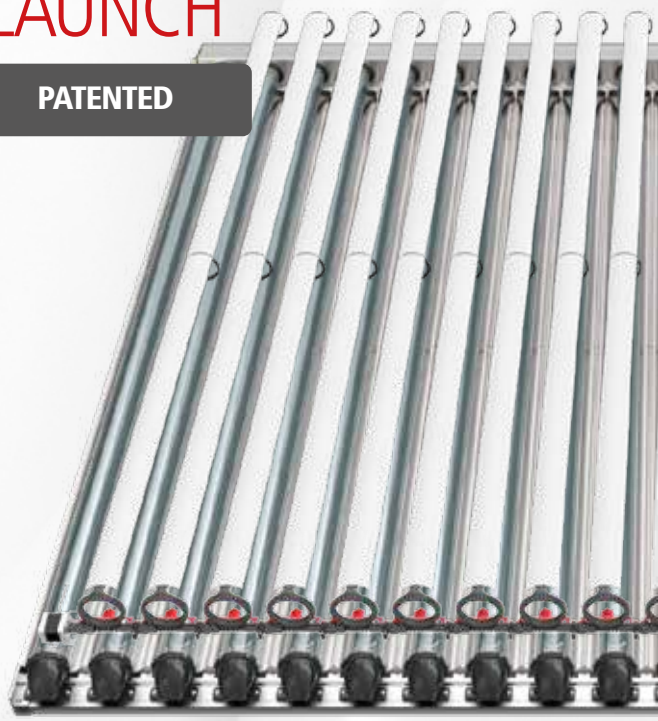
Example of system diagram with heat pump combined with ULTRAFRESH 401 for the production of DHW and integration with heating.

ECLIPSE SYSTEM

THE FIRST INTELLIGENT ANTI-STAGNATION SYSTEM

NEW WORLD LAUNCH

PATENTED



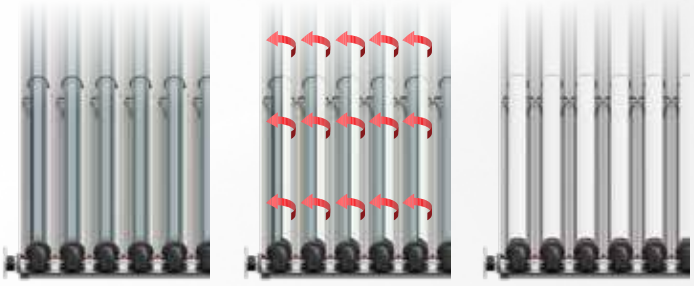
The heart of the ECLIPSE SYSTEM is a solar collector with evacuated tubes PLEION X-RAY-R was certified by the most stringent European laboratories.

New generation, new revolution!

The patented shading ECLIPSE SYSTEM operates AUTOMATICALLY in the event of over-temperature of the panel, cooling it instantaneously.

The new X-RAY-R WITH ECLIPSE SYSTEM solar panels are protected by **a SYSTEM OF ROTATING PARABOLIC REFLECTORS**.

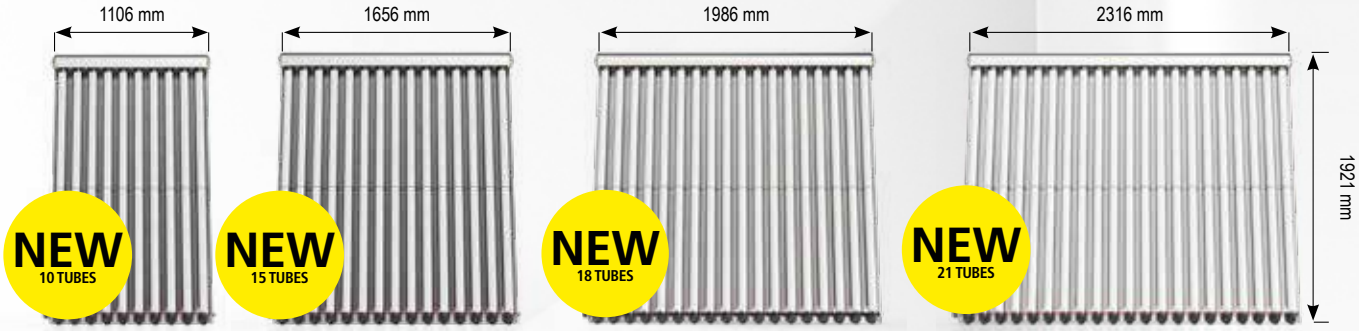
When it reaches 85°C, the **X-RAY-R WITH ECLIPSE SYSTEM** automatically closes its integrated parabolic system, blocking the solar radiation.



PARABOLIC REFLECTORS OPEN

CLOSE IN 10 SECONDS

PARABOLIC REFLECTORS CLOSED



X-RAY 10R
+ ECLIPSE SYSTEM
Up to 8 collectors in parallel

X-RAY 15R
+ ECLIPSE SYSTEM
Up to 5 collectors in parallel

X-RAY 18R
+ ECLIPSE SYSTEM
Up to 4 collectors in parallel

X-RAY 21R
+ ECLIPSE SYSTEM
Up to 3 collectors in parallel

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HIGH POWER SUPER EFFICIENCY +15% IN PARALLEL

High-efficiency collectors of the highest category, with evacuated tube technology and third tube built into the head (no visible return tubing).



SYSTEM EFFICIENT 365 DAYS A YEAR

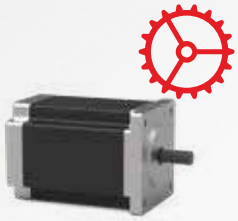
The solar system is used 365 days a year, with the ECLIPSE SYSTEM protected in the event of excessive radiation (without the need for evacuation).

The ECLIPSE SYSTEM drastically reduces stagnation. In any case, it is recommended to correctly size the number of panels in relation to the consumption and volume of the boiler/ accumulator.

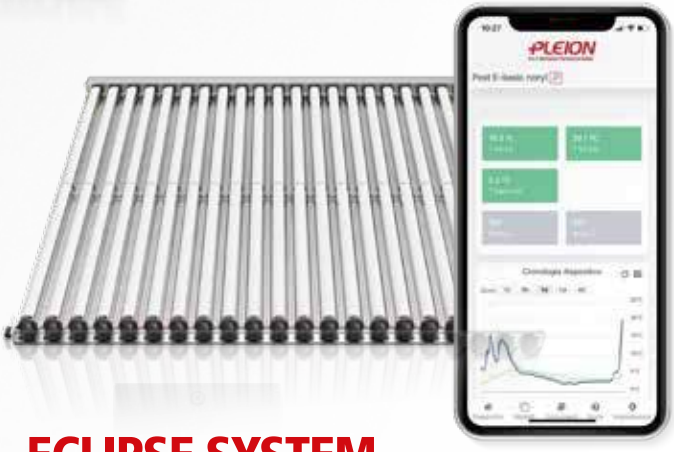
Fraunhofer ISE



NEW
DIRT REPELLENT
SELF-CLEANING HEAD



NEW
LOW-CONSUMPTION MOTOR



ECLIPSE SYSTEM SMART CONTROL

- Automatic SMART Control
- Manual Closure
- Programming

X-RAY III R

EVACUATED SOLAR COLLECTORS WITH THIRD TUBE BUILT IN

PLEION INNOVATION
3RD TUBE BUILT IN



Maximum efficiency: even in winter, 365/year!

Third tube built in. Greater efficiency (+15%)* and harmonious architectural integration.
PLEION's new line of X-RAY-R evacuated solar collectors:

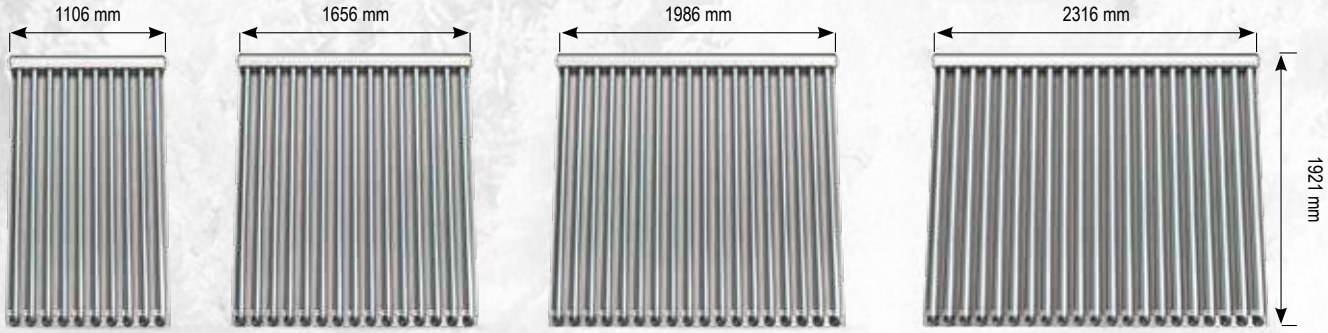
The PLEION X-RAY-R collectors are ideal for DHW heating and integration of the heating system for rooms. The X-RAY-R modules are modular and easy-to-install modules, in 4 different sizes of 10, 15, 18,
and 21 tubes.

They require very little maintenance and, if necessary, the single tube can be replaced very easily.

EFFICIENCY
CPC
COLLECTING

THEY CAPTURE SOLAR RAYS AT 360°!

The cylindrical tubes, along with the CPC reflector, capture the solar rays from various angles (even those that are usually lost with flat collectors) and allow high yields, even during the afternoon hours and with unfavourable exposure.



X-RAY 10R
Up to 8 collectors in parallel

X-RAY 15R
Up to 5 collectors in parallel

X-RAY 18R
Up to 4 collectors in parallel

X-RAY 21R
Up to 3 collectors in parallel

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The Solar that warms your LIFE!

+15% EFFICIENCY*



SAPIENZA
UNIVERSITÀ DI ROMA

*+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.

X-RAY 18R **X-RAY 10R**



X-RAY 18R

WARRANTY PIPES
YEARS
10

HAIL PROTECTION

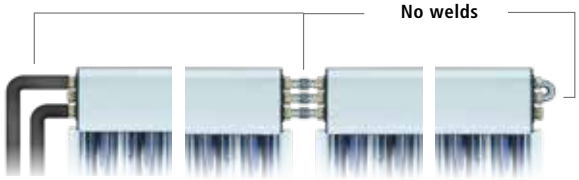
X-RAY R

EVACUATED SOLAR COLLECTORS WITH THIRD TUBE BUILT IN



Maximum efficiency, even in winter!

Third tube built in. More efficiency (+15%) and harmonious architectural integration.
PLEION's new line of X-RAY-Rdi evacuated solar collectors:



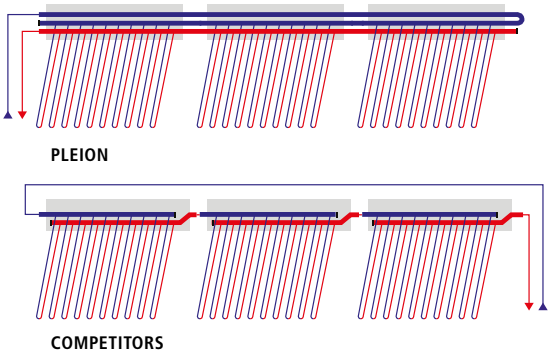
SAPIENZA UNIVERSITÀ DI ROMA

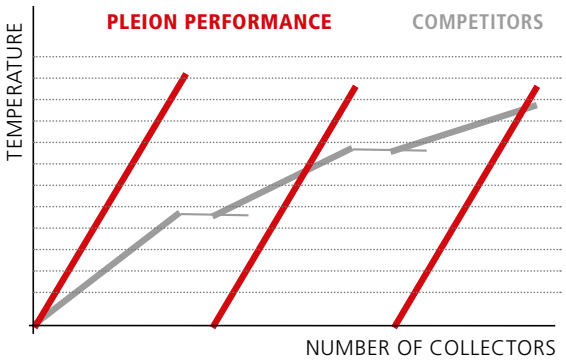
*+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.

PLEION INNOVATION **3RD TUBE BUILT IN -** All X-RAY R 10/15/18/21 evacuated collectors with and without ECLIPSE SYSTEM are equipped with the hydraulics built into the collector:

- **No external conduction** - the water is not exposed to the outside, ensuring the best possible insulation with less heat loss and no deterioration over time.
- **PLUG&PLAY collectors** - This technology drastically reduces the mounting time on the roof and ensures a more clean and harmonious look.
- **HIGH PERFORMANCE** - Heating is done quickly, efficiently and uniformly, especially in winter, compared to all competitors with 2-tube hydraulics.

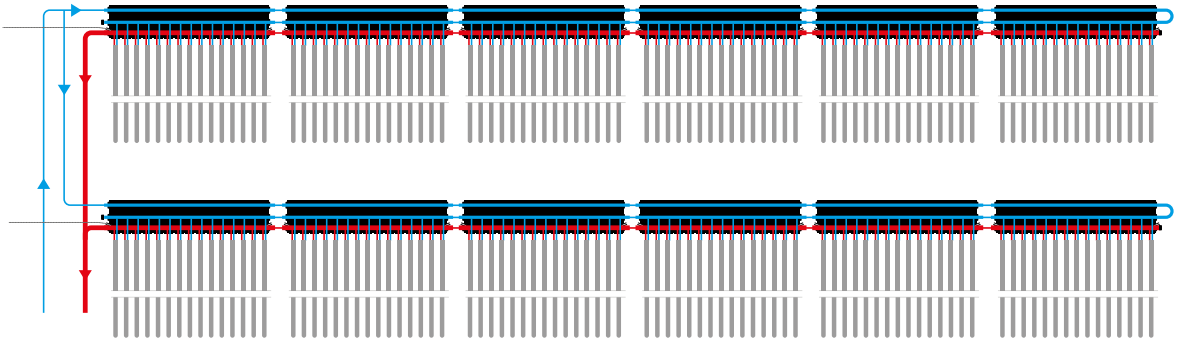
15% HIGHER PERFORMANCE IN PARALLEL COMPARED TO COMPETITORS





WATER CONNECTIONS POSSIBLE WITH PLEION EVACUATED COLLECTORS

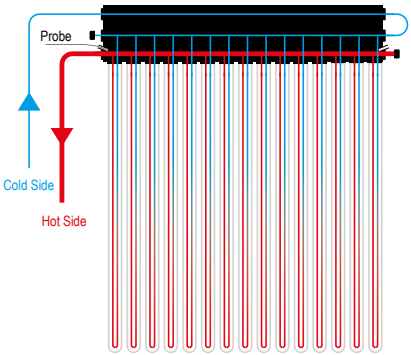
Depending on the collector model, strings of 6 to 12 collectors can be created, reducing the installation costs of the system due to the lack of material such as external connection pipes, various valves, and personnel costs.



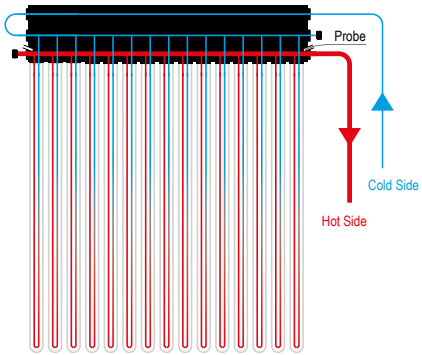
REVERSIBLE WATER CONNECTIONS

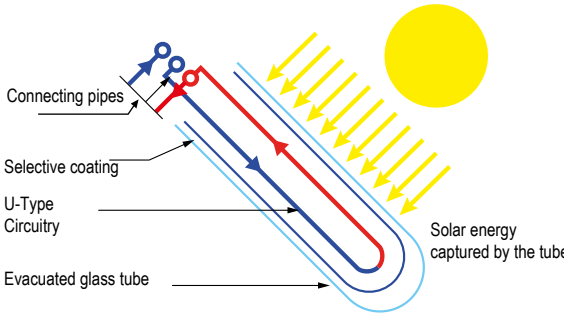
Pleion evacuated collectors have water connections on both side to make connected with external tubing reversible.

SUPPLY FROM THE LEFT



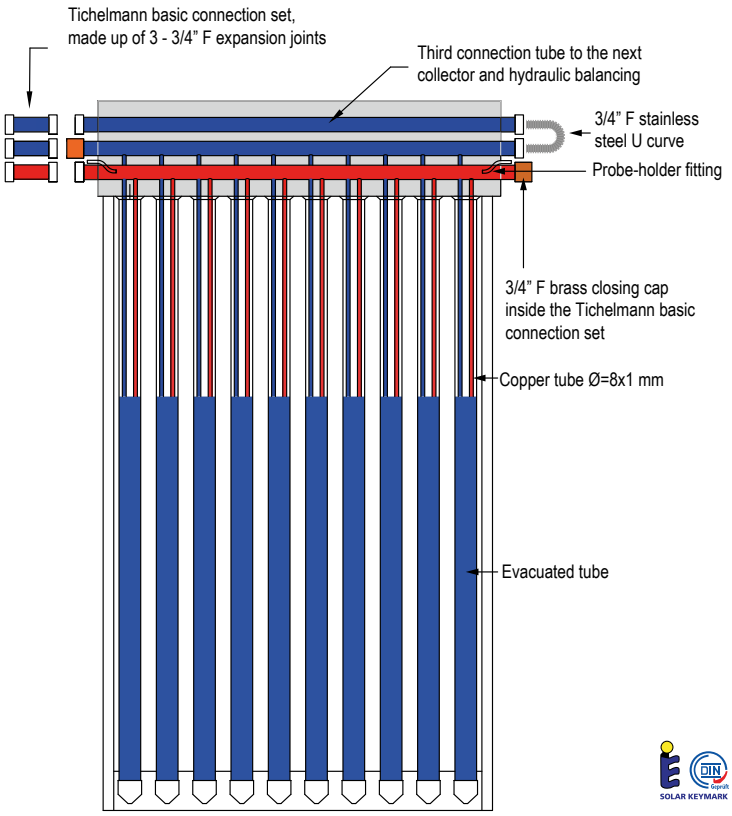
SUPPLY FROM THE RIGHT

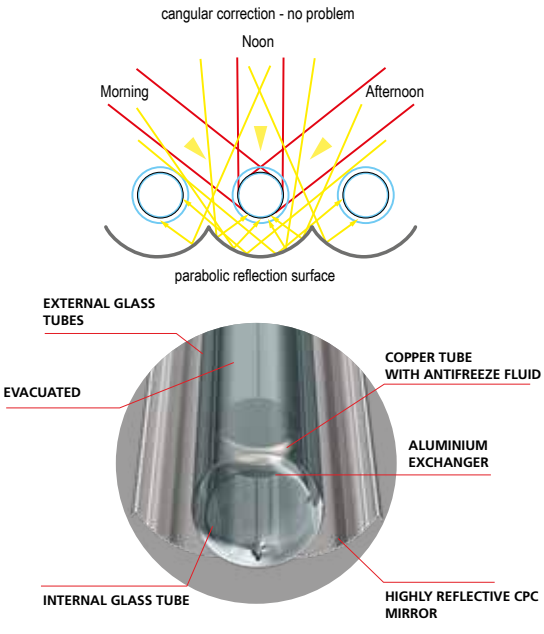




PLEION INNOVATION **The collector is made up of five primary pre-assembled components: CPC parabolic reflector, evacuated tubes, absorber, water circuit including outlet and return tubing and third tube for inverse water balancing.**

Thanks to its particular shape, the highly reflective CPC (Compound Parabolic Concentrator) parabolic reflector is able to increase the energy absorbed by the collector, by being able to reflect diffuse and direct sunlight during any part of the day, performing the function of correcting the angles of the sun's rays (morning - afternoon).





SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS
TANKLESS SOLAR WATER HEATING

DOMESTIC HOT WATER - BUILT-IN COLLECTOR AND ACCUMULATOR

EGO and EGO PRIME

Innovative tankless solar water heater system with **built-in accumulator** able to resist corrosion from even the harshest water.

TANKLESS SOLAR WATER HEATING

EGO - LUNAR WHITE



* See page 20

LITRES	🚹	m²	COD.
110	1-2	1.52	1020001100
150	2-3	1.93	1020001500
180	3-4	2.35	1020001800
220	4-5	2.77	1020002200
260	5-6	3.18	1020002600

EGO R - TERRACOTTA RED



* See page 20

LITRES	🚹	m²	COD.
110	1-2	1.52	1020001101
150	2-3	1.93	1020001501
180	3-4	2.35	1020001801
220	4-5	2.77	1020002201
260	5-6	3.18	1020002601

EGO PRIME - (ALUMINIUM)



* See page 20

LITRES	🚹	m²	COD.
110	1-2	1.28	1030001100
150	2-3	1.68	1030001500
180	3-4	2.08	1030001800
220	4-5	2.48	1030002200
260	5-6	2.88	1030002600

EGO PRIME B - (BIANCO)



* See page 20

LITRES	🚹	m²	COD.
110	1-2	1.28	1030001101
150	2-3	1.68	1030001511
180	3-4	2.08	1030001811
220	4-5	2.48	1030002211
260	5-6	2.88	1030002601

EGO PRIME R - (RED)



* See page 20

LITRES	🚹	m²	COD.
110	1-2	1.28	1030001102
150	2-3	1.68	1030001512
180	3-4	2.08	1030001812
220	4-5	2.48	1030002212
260	5-6	2.88	1030002602

DOMESTIC WATER SOLAR
SYSTEM FOR WATER HEATER

PLEION
The Solar that warms your LIFE!

DOMESTIC HOT WATER (2 COILS)

ECO COMPACT

New generation of innovative solar systems for DHW production, equipped with a counter cover that includes a **built-in solar station** and a **pre-wired electronic control unit**.

EVACUATED

ECO COMPACT ECLIPSE - ECO COMPACT WITH ECLIPSE



LITRES	Coll.	m²	COD.
200	1 (15R)	3.18	1010202093
300	1 (21R)	4.45	1010203003
500	2 (15R)	6.36	1010205103

* See page 26

ECO COMPACT RAY - ECO COMPACT WITH X-RAY R



LITRES	Coll.	m²	COD.
200	1 (15R)	3.18	1010202094
300	1 (21R)	4.45	1010202111
500	2 (15R)	6.36	1010205100

* See page 28

FLAT

ECO COMPACT - ECO COMPACT WITH UNIKO-P21



LITRES	Coll.	m²	COD.
200	1	2.06	1020202071
300	2	4.12	1020203091
500	3	6.18	1020205081

* See page 30

ECO COMPACT PLUS - ECO COMPACT WITH KSF-P26



LITRES	Coll.	m²	COD.
200	1	2.62	1020202081
300	2	5.24	1020203081
500	3	7.86	1020205091

* See page 30

SMART ECO - ECO COMPACT WITH KSF-D25



LITRES	Coll.	m²	COD.
200	1	2,52	1010202081
300	2	5,04	1010203091
500	3	7,56	1010205101

* See page 32

DOMESTIC HOT WATER (2 COILS)

SMART

Solar systems for DHW production made up of **vitrified double coil boilers** (200 to 500 litres).

EVACUATED

SMART RAY - VITRIFIED DOUBLE COIL BOILER WITH X-RAY R



LITRES	Coll.	m²	COD.
200	1 (21R)	4.45	1020405211
300	2 (15R)	6.36	1020405241
300	2 (18R)	7.64	1020405231
500	3 (18R)	11.46	1020405201

* See page 34

FLAT

SMART - VITRIFIED DOUBLE COIL BOILER WITH KSF-D25



LITRES	Coll.	m²	COD.
200	1	2,52	1020402021
200	2	5,04	1020402031
300	2	5,04	1020403031
300	3	7,56	1020403041
500	3	7,56	1020405011
500	4	10,08	1020405021

* See page 36

DOMESTIC HOT WATER (2 COILS)

MASTER

Solar systems for **production of a large quantity of DHW** made up of vitrified double coil boilers (800 to 2000 litres).

EVACUATED

MASTER RAY - VITRIFIED DOUBLE COIL BOILER WITH X-RAY R



LITRES	Coll.	m²	COD.
800	3 (18R)	11.46	1010208101
1000	3 (21R)	13.35	1010201002
1500	4 (21R)	17.80	1010201502
2000	6 (21R)	26.70	1010202002
3000	8 (21R)	35.60	1010203002
4000	11 (21R)	48.95	1010204002
4000	12 (18R)	45.84	1010204003

* See page 38

FLAT

MASTER PLUS - VITRIFIED DOUBLE COIL BOILER WITH KSF-P26



LITRES	Coll.	m²	COD.
800	4	10.48	1020208042
1000	6	15.72	1020201062
1500	8	20.96	1020201582
2000	10	26.20	1020202102

* See page 40

SOLAR SYSTEMS
DOMESTIC WATER SYSTEMS FOR HEAT PUMP

DOMESTIC HOT WATER (2 COILS)

ECO COMPACT HPS

New generation of innovative solar systems for **DHW production in combination with Heat Pump**, equipped with a counter cover that includes a **built-in solar station** and a **pre-wired electronic control unit**.
Integration with any brand of heat pump!

EVACUATED

ECO COMPACT HPS ECLIPSE - ECO COMPACT HPS WITH ECLIPSE



LITRES	Coll.	m²	COD.
300	1 (21R)	4.45	1010303042
500	2 (15R)	6.36	1010305032

* See page 42

ECO COMPACT HPS RAY - ECO COMPACT HPS WITH X-RAY R



LITRES	Coll.	m²	COD.
300	1 (21R)	4.45	1010303041
500	2 (15R)	6.36	1010305031

* See page 44

FLAT

ECO COMPACT HPS - ECO COMPACT HPS WITH UNIKO-P21



LITRES	Coll.	m²	COD.
300	2	4.12	1020303011
500	3	6.18	1020305011

* See page 46

ECO COMPACT HPS PLUS - ECO COMPACT HPS WITH KSF-P26



LITRES	Coll.	m²	COD.
300	2	5.24	1020303001
500	3	7.86	1020305001

* See page 46

DOMESTIC HOT WATER (2 COILS)

SMART HPS

Solar systems for **DHW production in combination with Heat Pump**, made up of a double coil boiler with a **superior oversized exchanger with double spiral for a greater exchange surface, ideal for heat pumps.**

FLAT

SMART HPS PLUS - VITRIFIED DOUBLE COIL BOILER WITH KSF-D25



LITRES	Coll.	m²	COD.
300	2	5,04	1020403051
500	3	7,56	1020405071

* See page 48

DOMESTIC HOT WATER (2 COILS)

BPU

Solar system made up of a BPU boiler with double accumulator to improve the efficiency of any heat pump. **BPU is made up of a vitrified accumulator for DHW** including an OVERSIZED exchanger for heat pump and a **technical water flywheel** for integration of the heating and cooling.

ALL-IN-ONE TANKLESS SOLAR WATER HEATING

BPU EGO - BPU WITH EGO



LITRES	Coll.	m²	COD.
300	180B	2.35	1010300180
300	180R	2.35	1010300181
500	260B	3.18	1010500260
500	260R	3.18	1010500261

* See page 50

EVACUATED

BPU ECLIPSE - BPU WITH ECLIPSE



LITRES	Coll.	m²	COD.
300	1 (21R)	4.45	1010300215
500	2 (15R)	6.36	1010500315

* See page 52

FLAT

BPU D25 - BPU WITH KSF-D25



LITRES	Coll.	m²	COD.
300	1	2,52	1010300224
500	2	5,04	1010500324

* See page 52

DESIGNED AND PRODUCED IN ITALY

DOMESTIC WATER
SOLAR SYSTEMS IN HEAT PUMP

HEAT PUMP WITH 1 COIL FOR SOLAR

JET

AIR/WATER high temperature heat pump for the production of domestic hot water with 300-litre accumulator **with 1 exchanger for combining with solar collectors**.

JET ECLIPSE - JET 300S WITH ECLIPSE



LITRES	Coll.	m²	COD.
300	1 (21R)	4.45	1010303032

* See page 56

JET RAY - JET 300S WITH X-RAY21



LITRES	Coll.	m²	COD.
300	1	4.45	1010303031

* See page 58

JET PLUS - JET 300S WITH KSF-P26

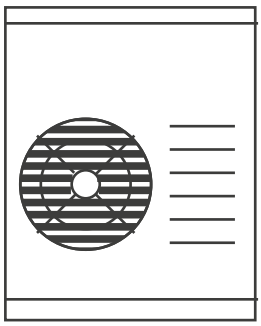


LITRES	Coll.	m²	COD.
300	2	5.24	1020303031

* See page 60

PLEION ADVISES

The advantages of Solar Thermal combined with Heat Pumps



• Among the technologies for producing heat that can be combine with solar, a heat pump is the one the guarantees the most efficiency.
PLEION offers a series of accumulators and boilers for domestic water specifically for combining with heat pumps.

• Large-surface coil exchangers enhance the efficiency of any heat pump.

• In a single compact product, the special BPU boiler combines a large-surface boiler for domestic water, specifically for heat pumps, with an inertial volume suitable for use with both hot and chilled water, thus allowing the heat pump to be used for both heating and cooling.

SOLAR SYSTEMS
INTEGRATION FOR WATER HEATER

DHW + INTEGRATION OF THE HEATING

ULTRAFRESH 401

With 401-litre inertial storage that brings the pre-installed solar station on board, as well as the instant heating module for domestic hot water with brazed stainless steel plate heat exchanger. The domestic water heating module is equipped with a temperature regulation system and is designed to maximise stratification in the storage tank. The solar regulation control unit is also pre-wired and positioned on board.

EVACUATED

ULTRAFRESH ECLIPSE 401 - ULTRAFRESH 401 WITH ECLIPSE



LITRES	Capt.	m²	CODE
401	1 (21R)	4,45	1010213532
401	2 (15R)	6,36	1010213533

* Voir page 62

ULTRAFRESH RAY 401 - ULTRAFRESH 401 WITH X-RAY 21R



LITRES	Capt.	m²	CODE
401	1	4,45	1010213534

* Voir page 64

FLAT

ULTRAFRESH PLUS 401 - ULTRAFRESH 401 WITH KSF-P26



LITRES	Capt.	m²	CODE
350	2	5,24	1010213535

* Voir page 66

SOLAR SYSTEMS
INTEGRATION FOR HEAT PUMP

DHW + INTEGRATION OF THE HEATING

KOPERNIKO S

Solar system with ECLIPSE system panels and KOPERNIKO energy module for wall installation (flush or surface mount) with 210 l accumulator in only 23 cm of thickness, with instantaneous exchanger for DHW and heat exchanger for solar. Particularly indicated with autonomous heat pumps.

KOPERNIKO-S ECLIPSE - KOPERNIKO-S WITH ECLIPSE



LITRES	Coll.	m²	COD.
200	1 (10R)	2.20	1010200110
200	1 (15R)	3.18	1010200115
200	1 (21R)	4.45	1010200121

* See page 68

DHW + INTEGRATION OF THE HEATING

AQUA FRESH

Solar systems comprised of a **Solar Puffer PR technical water accumulator** combined with a **instantaneous DHW module**, model SAN F30T (300-500 litres) and SANF40 (800-1000 litres).

EVACUATED

AQUA FRESH RAY - PR WITH X-RAY R



LITRES	Coll.	m²	COD.
500	2 (18R)	7.64	1010213561
800	3 (18R)	11.46	1010213581
1000	3 (21R)	13.35	1010213501

* See page 70

FLAT

AQUA FRESH PLUS - PR WITH KSF-P26



LITRES	Coll.	m²	COD.
500	3	7.86	1010213551
800	5	13.1	1010213571
1000	6	15.72	1010213591

* See page 72

DHW + INTEGRATION OF THE HEATING

ECO DUO

Innovative solar systems with **thermal flywheel** (600 to 1000 litres) with **solar exchanger and corrugated stainless steel coil for the instantaneous production of DHW**. Accumulator equipped with Control Cover, with **built-in solar station** and **pre-wired electronic control unit**.

EVACUATED

ECO DUO ECLIPSE - ECO DUO WITH ECLIPSE



LITRES	Coll.	m²	COD.
600	2 (21R)	8.9	1010216002
800	3 (21R)	13.35	1010218002
1000	4 (21R)	17.8	1010211002

* See page 74

ECO DUO RAY - ECO DUO WITH X-RAY R



LITRES	Coll.	m²	COD.
600	2 (21R)	8.9	1010216001
800	3 (18R)	11.46	1010218001
1000	4 (21R)	17.8	1010211001

* See page 76

DHW + INTEGRATION OF THE HEATING

SMART HR

Solar systems with **internal double coil accumulator** suitable for **heating environments** and the **production of domestic hot water** for domestic and residential buildings.
The **production of domestic hot water** is **instantaneous due to the internal corrugated stainless steel coil** throughout the entire accumulator volume.

EVACUATED

SMART HR RAY - HR WITH X-RAY R



LITRES	Coll.	m²	COD.
500	2 (21R)	8.9	1020405101
500	3 (18R)	11.46	1020408051
800	3 (18R)	11.46	1020408041
1000	4 (21R)	17.8	1020401101

* See page 78

FLAT

SMART HR - HR WITH KSF-D25



LITRES	Coll.	m²	COD.
500	3	7,56	1020405001
800	5	12,60	1020408001
1000	6	15,12	1020401001

* See page 80

DHW + INTEGRATION OF THE HEATING

SMART HRR

Solar systems with **internal triple coil accumulator** suitable for **heating environments** and the **production of domestic hot water** for domestic and residential buildings.
Ideal for **connection with several energy sources** (gas/biomass water heater and solar thermal) for integration with underfloor heating systems.

EVACUATED

SMART HRR RAY - HRR WITH X-RAY R



LITRES	Coll.	m²	COD.
500	2 (21R)	8.9	1020405002
500	3 (18R)	11.46	1020405003
800	3 (18R)	11.46	1020408003
1000	4 (21R)	17.8	1020401004

* See page 82

FLAT

SMART HRR - HRR WITH KSF-D25

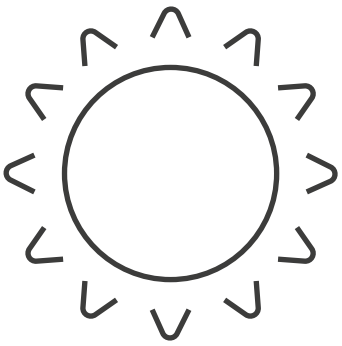


LITRES	Coll.	m²	COD.
500	3	7,56	1020405061
800	5	12,60	1020408021
1000	6	15,12	1020401021

* See page 84

PLEION ADVISES

The advantages of Solar Thermal for integration of the heating



• Ambient heating is what normally requires the largest amount of energy in a building. Pleion has a complete range of solutions for using thermal solar panels for the production of domestic hot water and for heating environments.

• PLEION solar systems for hot water and heating have the advantage of instantaneously heating domestic water at the time of use. This ensures additional water safety and hygiene, especially with regard to legionella bacteria.

• A solar thermal system designed to contribute to heating environments also highlights the high quality and top-class performance of evacuated tube collectors that will perform best in the cold season, when the building's heat demand is highest.

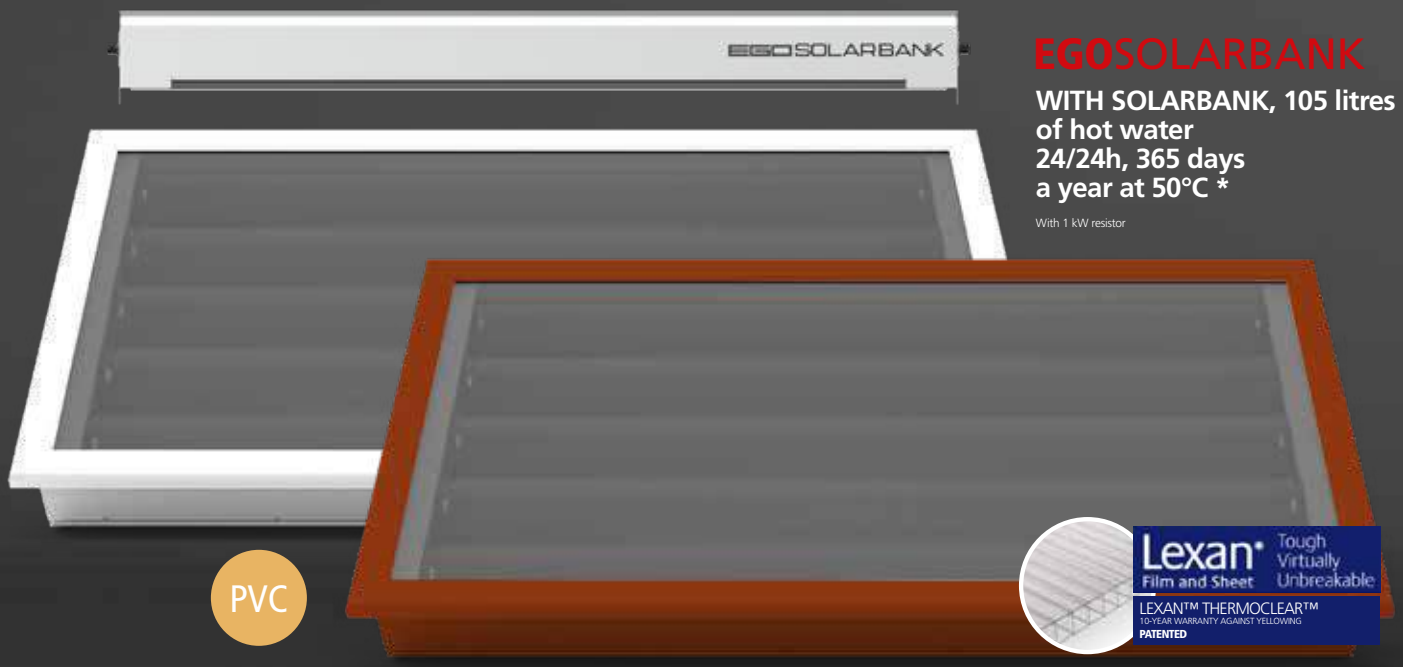
• The use of a solar thermal system for heating environments is particularly effective and advantageous in combination with a low temperature radiant system to which PLEION dedicates an entire vast catalogue including solutions to meet every need.

WORLD LAUNCH
PATENTED

TANKLESS SOLAR THERMAL WATER HEATERS EGO

PLEION INNOVATION

100% RECYCLABLE
INNOVATIVE CONCEPT AND MATERIALS
UNIQUE DESIGN



EGOSOLARBANK

WITH SOLARBANK, 105 litres of hot water 24/24h, 365 days a year at 50°C *

With 1 kW resistor

THE MOST INNOVATIVE TANKLESS SOLAR WATER HEATING SYSTEM

THE ONLY ONE IN 2 COLOURS AND 5 SIZES

DESIGNED AND PRODUCED IN ITALY

5 YEAR WARRANTY

EGO Smart.Solar.Box
was developed in collaboration with the most prestigious Research Institutes and Entities

UNIVERSITY OF TRENTO - Italy

ENEA

0034

ACTIVATE THE WARRANTY ONLINE!

EGO. In resistant plastic. Solar thermal becomes EASY FOR EVERYONE

EGO
It is the new tankless solar water heater system, compact and ALL-IN-ONE: the boiler built into the thickness of the panel ensures a clean and pleasant appearance.
Special steel tubes contain the necessary domestic water (depending on the size chosen), which is heated quickly by the sun and input into your system. That's it. Nothing could be easier. But the exclusive technology used is one of the most advances, as are the materials chosen for the building components.
THE FRAME The easily removable frame makes its design suitable for any architectural context while, at the same time, allowing quick installation and easy maintenance.
DOMESTIC WATER ACCUMULATOR The domestic water accumulator is made of a new alloy capable of resisting the harshest water.
EGO is 40% lighter Thanks to the combination of new materials, it is easier and quicker to install and, since it is lighter, it can be installed with less worries; **the 110 litre model only weighs 36 kg!**
THE SUPPORT BRACKETS INCLUDED are light and elegant, making installation easier for pitched roofs as well as terraces or flat roofs.

PLUS

- HOT WATER FOR ALL SEASONS*
  EVEN WITH LOW SOLAR RADIATION.

* Even in frigid temperatures with option resistor.

- **READY-TO-USE SOLAR SYSTEM**,
  all in one box! It installs in just a few minutes.
- 5 YEAR warranty, with compliant installation and use.
- Resistant to even the harshest water.

The new LEXAN® panel considerably reduces heat dispersion compared to the traditional glass, eliminates the condensation effect, and increases resistance to bad weather.

An essential design in 2 fantastic colours.

EGO LUNAR WHITE						
LITRES	AREA m²	PERS.	WEIGHT* Kg	DIMENSIONS L x W X H mm	MODEL	COD.
110	1.52	1-2	36	2136x711x220	**EGO 110**	1020001100
150	1.93	2-3	43	2136x906x220	**EGO 150**	1020001500
180	2.35	3-4	50	2136x1101x220	**EGO 180**	1020001800
220	2.77	4-5	57	2136x1296x220	**EGO 220**	1020002200
260	3.18	5-6	64	2136x1491x220	**EGO 260**	1020002600

EGO TERRACOTTA RED						
LITRES	AREA m²	PERS.	WEIGHT* Kg	DIMENSIONS L x W X H mm	MODEL	COD.
110	1.52	1-2	36	2136x711x220	**EGO 110-R**	1020001101
150	1.93	2-3	43	2136x906x220	**EGO 150-R**	1020001501
180	2.35	3-4	50	2136x1101x220	**EGO 180-R**	1020001801
220	2.77	4-5	57	2136x1296x220	**EGO 220-R**	1020002201
260	3.18	5-6	64	2136x1491x220	**EGO 260-R**	1020002601

BRACKETS INCLUDED

45° FLAT ROOF PITCHED ROOF

WORLD LAUNCH
PATENTED

TANKLESS SOLAR THERMAL WATER HEATERS
EGO PRIME

PLEION INNOVATION

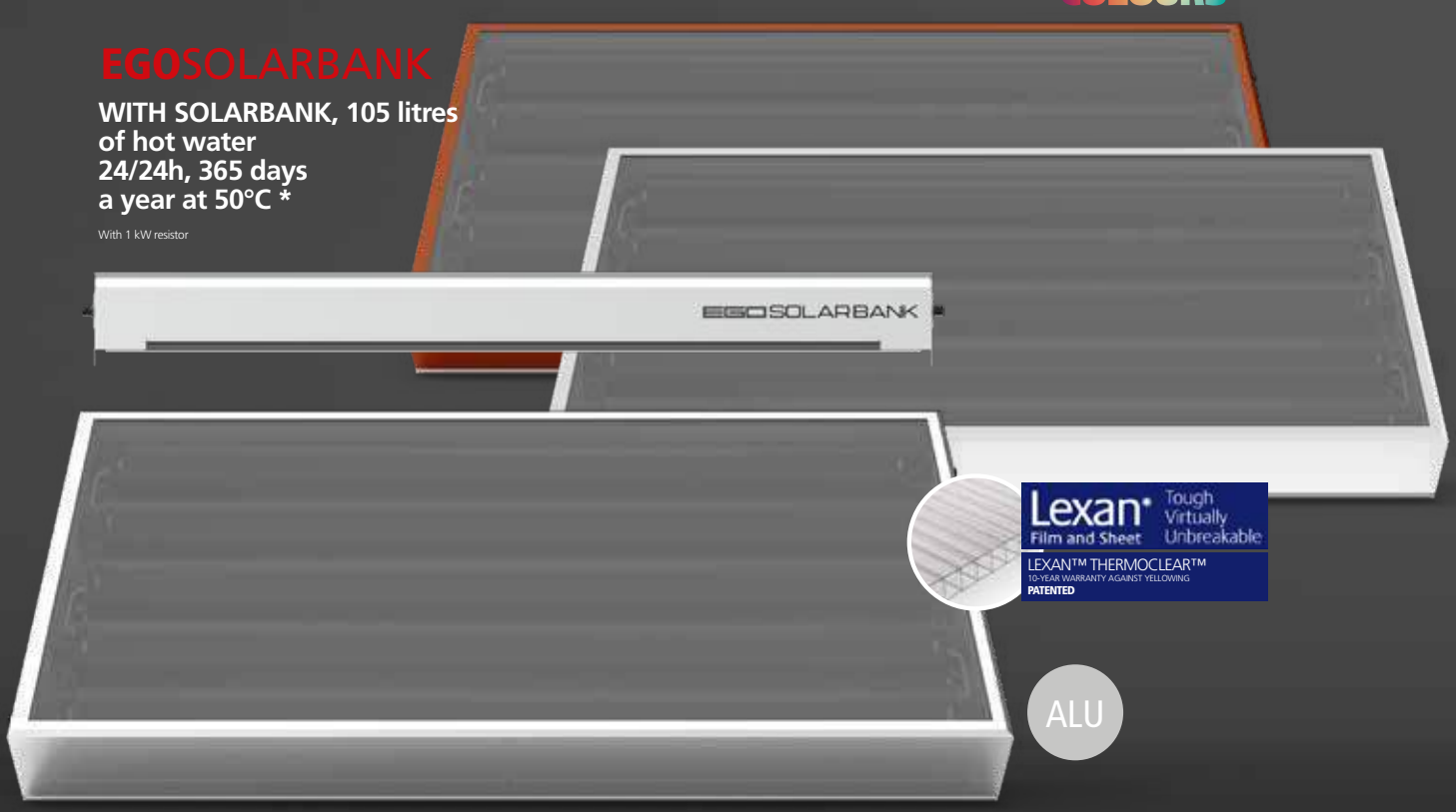
EGO PRIME

COLOURS

EGOSOLARBANK

WITH SOLARBANK, 105 litres of hot water 24/24h, 365 days a year at 50°C *

With 1 kW resistor



THE MOST INNOVATIVE TANKLESS SOLAR WATER HEATING SYSTEM

THE ONLY ONE IN 3 COLOURS AND 5 SIZES

DESIGNED AND PRODUCED IN ITALY

5 YEAR WARRANTY

EGO Smart.Solar.Box
was developed in collaboration with the most prestigious Research Institutes and Entities

UNIVERSITY OF TRENTO - Italy

ENEA

0034

ACTIVATE THE WARRANTY ONLINE!

All-in-one, innovative, convenient, unique accumulator and collector: simply revolutionary!

EGO PRIME
It is the new tankless solar water heater system, compact and ALL-IN-ONE: the boiler built into the thickness of the panel ensures a clean and pleasant appearance.

Special steel tubes contain the necessary domestic water (depending on the size chosen), which is heated quickly by the sun and input into your system. That's it. Nothing could be easier. But the exclusive technology used is one of the most advances, as are the materials chosen for the building components.
DOMESTIC WATER ACCUMULATOR The domestic water accumulator is made of a new alloy capable of resisting the harshest water.
EGO is 40% lighter Thanks to the combination of new materials, it is easier and quicker to install and, since it is lighter, it can be installed with less worries; **the 110 litre model only weighs 29 kg!**
THE SUPPORT BRACKETS INCLUDED are light and elegant, making installation easier for pitched roofs as well as terraces or flat roofs.

PLUS

- HOT WATER FOR ALL SEASONS*
  ALSO WITH LOW SOLAR RADIATION.

* Even in frigid temperatures with option resistor.

- **READY-TO-USE SOLAR SYSTEM**,
  all in one box! It installs in just a few minutes.
- 5 YEAR warranty, with compliant installation and use.
- Resistant to even the harshest water.

The new LEXAN® panel considerably reduces heat dispersion compared to the traditional glass, eliminates the condensation effect, and increases resistance to bad weather.

An essential design in 3 fantastic colours.

EGO PRIME ALUMINIUM

LITRES	AREA m²	PERS.	WEIGHT* Kg	DIMENSIONS L x W X H mm	MODEL	COD.
110	1.28	1-2	29	2055x620x213	**EGO PRIME 110**	1030001100
150	1.68	2-3	36	2055x815x213	**EGO PRIME 150**	1030001500
180	2.08	3-4	43	2055x1010x213	**EGO PRIME 180**	1030001800
220	2.48	4-5	50	2055x1205x213	**EGO PRIME 220**	1030002200
260	2.88	5-6	58	2055x1400x213	**EGO PRIME 260**	1030002600

EGO PRIME BIANCO

LITRES	AREA m²	PERS.	WEIGHT* Kg	DIMENSIONS L x W X H mm	MODEL	COD.
110	1.28	1-2	29	2055x620x213	**EGO PRIME 110-B**	1030001101
150	1.68	2-3	36	2055x815x213	**EGO PRIME 150-B**	1030001511
180	2.08	3-4	43	2055x1010x213	**EGO PRIME 180-B**	1030001811
220	2.48	4-5	50	2055x1205x213	**EGO PRIME 220-B**	1030002211
260	2.88	5-6	58	2055x1400x213	**EGO PRIME 260-B**	1030002601

EGO PRIME RED

LITRES	AREA m²	PERS.	WEIGHT* Kg	DIMENSIONS L x W X H mm	MODEL	COD.
110	1.28	1-2	29	2055x620x213	**EGO PRIME 110-R**	1030001102
150	1.68	2-3	36	2055x815x213	**EGO PRIME 150-R**	1030001512
180	2.08	3-4	43	2055x1010x213	**EGO PRIME 180-R**	1030001812
220	2.48	4-5	50	2055x1205x213	**EGO PRIME 220-R**	1030002212
260	2.88	5-6	58	2055x1400x213	**EGO PRIME 260-R**	1030002602

BRACKETS INCLUDED

45° FLAT ROOF PITCHED ROOF

ACCESSORIES
FOR **EGO / EGO PRIME** SOLAR COLLECTORS

EGO SOLAR BANK



Extend the power of your EGO, water always hot thanks to an optional 35-litre, insulated tube that can be applied to any EGO and EGO PRIME (even on those that are already installed).

DESCRIPTION	CODE
EGO SOLAR BANK (WHITE)	**4400300080**
EGO SOLAR BANK (ALUMINIUM)	**4400300081**

PRESSURE REDUCER (OPTIONAL)



Limits the inlet pressure, reducing the possibilities of the valve opening and thus a possible water leak. Calibration 3 bars.

DESCRIPTION	CODE
Pressure reducer	**4400223303**

MIXING VALVE (OPTIONAL)



Adjustable, high performance thermostatic mixer for domestic water systems, suitable for solar systems, with anti-scald safety.
Complete with 1" M threaded valve body couplings with 1" F x ¾" M couplings. Maximum operating pressure/temperature 10 bar/100°C.

DESCRIPTION	CODE
Thermostatic Mixing Valve 3/4" - 35/55° kvs=1.7	**1030900002**

THERMOSTATIC DEVIATOR-MIXER VALVE (OPTIONAL)



Valve made up of a single body in brass alloy and selector in plastic, one part a 48°C (+/-1°C) not adjustable thermostatic fixed-point diverter and a second part an 30-56°C (±1°C) adjustable thermostatic mixer with anti-scald safety.

DESCRIPTION	CODE
5-way Selector-Mixing valve	**1030900991**

ANTI-FREEZE RESISTOR (300 W) - (OPTIONAL)



The EGO solar collector can be used without limits except in ice-prone areas. If the outdoor temperature is less than 0°C, the collector must be emptied and covered. Alternatively, and, however, with outdoor temperatures of not below -5°C, the anti-freeze resistor may be installed.

DESCRIPTION	CODE
ANTI-FREEZE RESISTOR (300 W)	**4400234100**

RESISTORS FOR THERMAL INTEGRATION 1-2 KW - (OPTIONAL)



1 kW



2 kW

DESCRIPTION	CODE
RESISTORS FOR THERMAL INTEGRATION 1 kW	**4400234101**
RESISTORS FOR THERMAL INTEGRATION 2 kW	**4400234102**

AIR VENTILATION VALVE (INCLUDED)



Standard and included in every EGO package

DESCRIPTION	CODE
Air ventilation valve	**4400225711**

SAFETY AND CHECK VALVE (STANDARD)



Standard and included in every EGO package

DESCRIPTION	CODE
Safety valve	**4400226101**

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

ECO COMPACT ECLIPSE

+15% EFFICIENCY*

3RD TUBE BUILT-IN

ECO COMPACT



NO STAGNATION

DOMESTIC WATER

NEW ANTI-STAGNATION **ECLIPSE** SYSTEM

The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS *EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS HAIL PROTECTION

ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

Efficiency and safety throughout the year.
Evacuated anti-stagnation COLLECTOR!

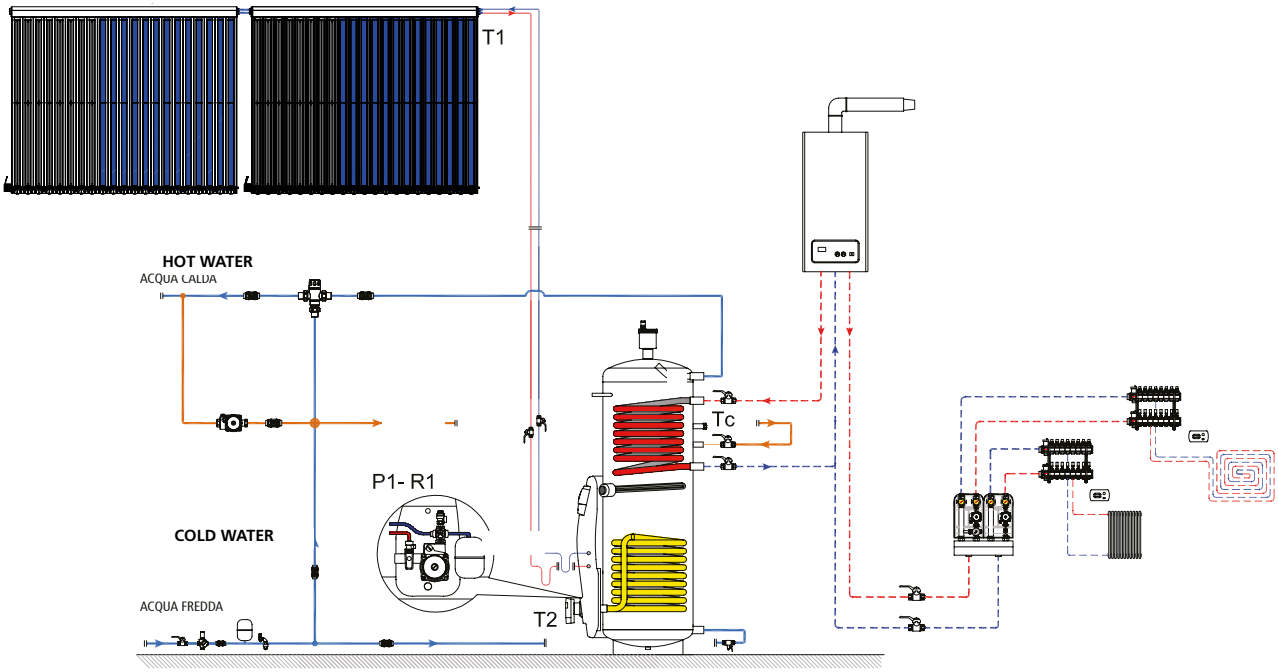
ECLIPSE ECO COMPACT SYSTEMS
A new generation of solar systems for the production of domestic hot water with built-in solar station, pre-wired electronic control unit, and new intelligent ECLIPSE SYSTEM collector.

Easy to install, ECO COMPACT ECLIPSE systems are equipped with an extremely efficient electronic exchanger and PLEION PB 404 control unit. The DIN 4753 vitrification and the high efficiency coefficient of the solar system combined with an electricity consumption below €6 per year make it ideal for domestic use.

PLEION INNOVATION **ECLIPSE SYSTEM**
The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year.
Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



Eco Compact ECLIPSE 200-300-500														
Eco Compact accumulator with ECLIPSE SYSTEM Evacuated Collectors														
LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	Smart Controller	BASIC SET	PLUS SET	Antifreeze (l)	COD.
200	1(15R)	3.18	1-3	•	•	24	•	•	•	1	1	0	20	1010202093
300	1(21R)	4.45	3-5	•	•	24	•	•	•	1	1	0	20	1010203003
500	2(15R)	6.36	5-7	•	•	40	•	•	•	1	1	1	30	1010205103

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase;

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

ECO COMPACT RAY

ECO COMPACT

X-RAY R



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

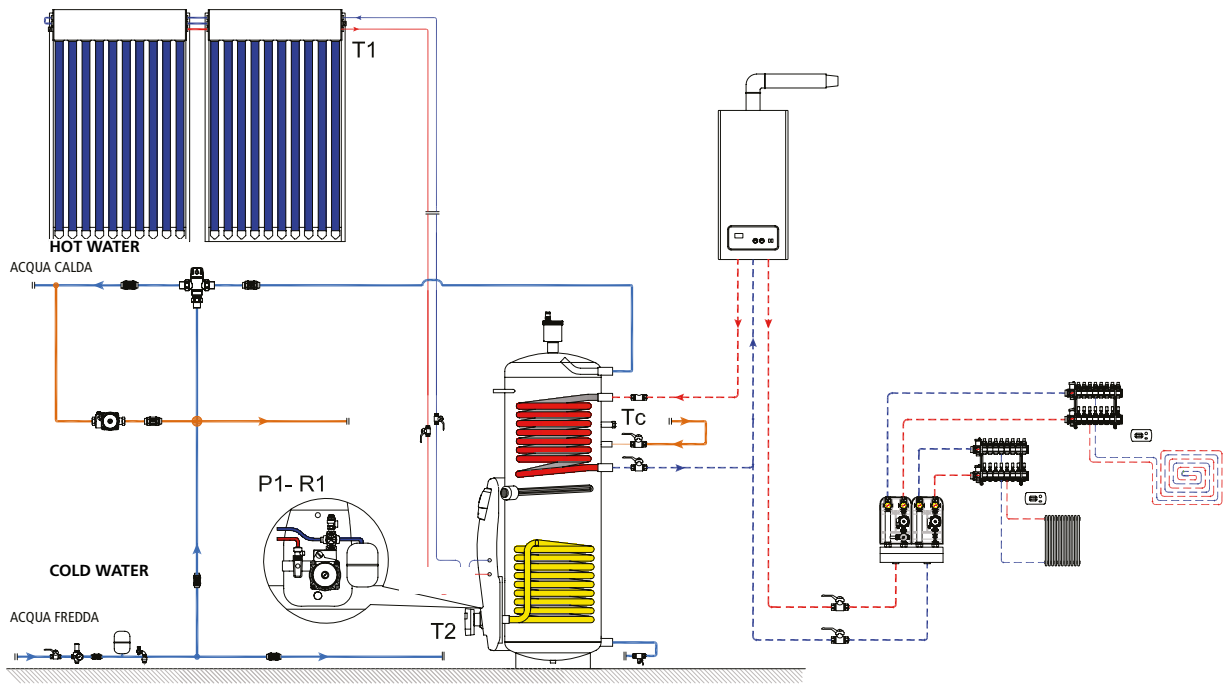
Maximum yield throughout the year.
Evacuated collectors with exclusive 3rd tube built in!

ECO COMPACT RAY SYSTEMS
A new generation of solar systems for the production of domestic hot water with built-in solar station, pre-wired electronic control unit, and X-RAY R evacuated collectors with 15, 18, and 21 tubes.
Easy to install, ECO COMPACT RAY systems are equipped with an extremely efficient electronic exchanger and PLEION PB 404 control unit. The DIN 4753 vitrification and the high efficiency coefficient of the solar system combined with an electricity consumption below €6 per year make it ideal for domestic use.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings. The ideal collector for maximum efficiency in the winter.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



ECO COMPACT RAY 200-300-500

Eco Compact accumulator with X-RAY R Evacuated Collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll. Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	BASIC SET	PLUS SET	Antifreeze (l)	COD.
200	1 (15R)	3.18	1-3	•	•	24	•	-	•	•	1	-	20	1010202094
300	1 (21R)	4.45	3-5	•	•	24	•	-	•	•	1	-	20	1010202111
500	2 (15R)	6.36	5-7	•	•	35	-	•	•	•	1	1	30	1010205100

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

ECO COMPACT
ECO COMPACT PLUS



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

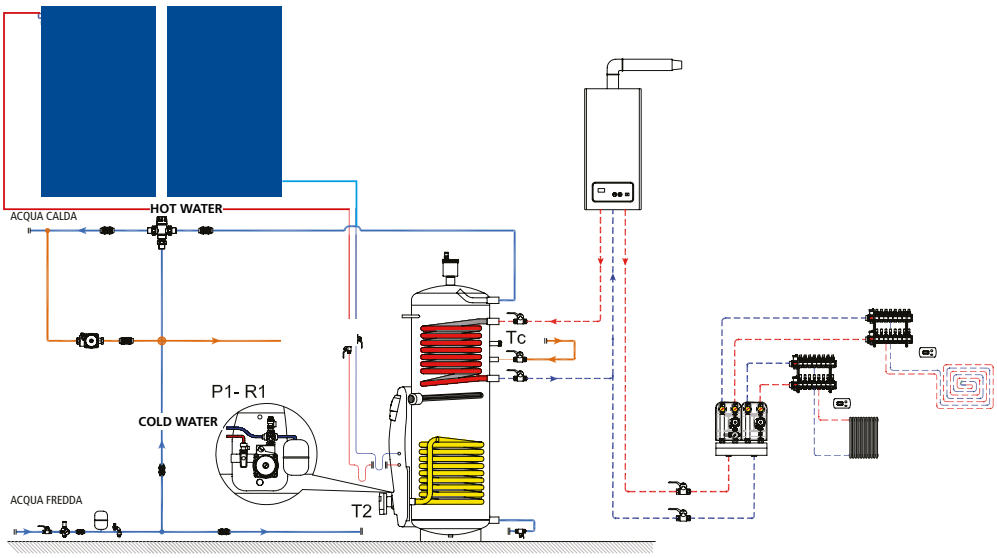
The convenient, high quality system.
Flat, high efficiency collectors!

ECO COMPACT and ECO COMPACT PLUS
A new generation of solar systems for the production of domestic hot water with built-in solar station, pre-wired electronic control unit, and UNIKO-P21 and KSF-P26 flat collectors.

Easy to install, ECO COMPACT and ECO COMPACT PLUS systems are equipped with an extremely efficient electronic exchanger and PLEION PB 404 control unit. The DIN 4753 vitrification and the high efficiency coefficient of the solar system combined with an electricity consumption below €6 per year make it ideal for domestic use.

UNIKO-P21
High efficiency 2.06 m² flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.

KSF-P26
High efficiency 2.62 m² large surface flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.



Eco Compact 200-300-500

Eco Compact accumulator with UNIKO-P21 flat collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll. Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	idra basic set	Plus set Idra	Antifreeze (l)	COD.
200	1	2.06	1-3	•	•	18	•	-	•	•	1	-	10	1020202071
300	2	4.12	3-5	•	•	24	•	-	•	•	1	1	20	1020203091
500	3	6.18	5-7	•	•	35	-	•	•	•	1	2	30	1020205081

Eco Compact PLUS 200-300-500

Eco Compact accumulator with KSF-P26 flat collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll. Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	Idra basic set	Plus set Idra	Antifreeze (l)	COD.
200	1	2.62	1-3	•	•	18	•	-	•	•	1	-	10	1020202081
300	2	5.24	3-5	•	•	24	•	-	•	•	1	1	20	1020203081
500	3	7.86	5-7	•	•	35	-	•	•	•	1	2	30	1020205091

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

SMART ECO

ECO COMPACT

KSF-D25



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS

*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

ErP READY

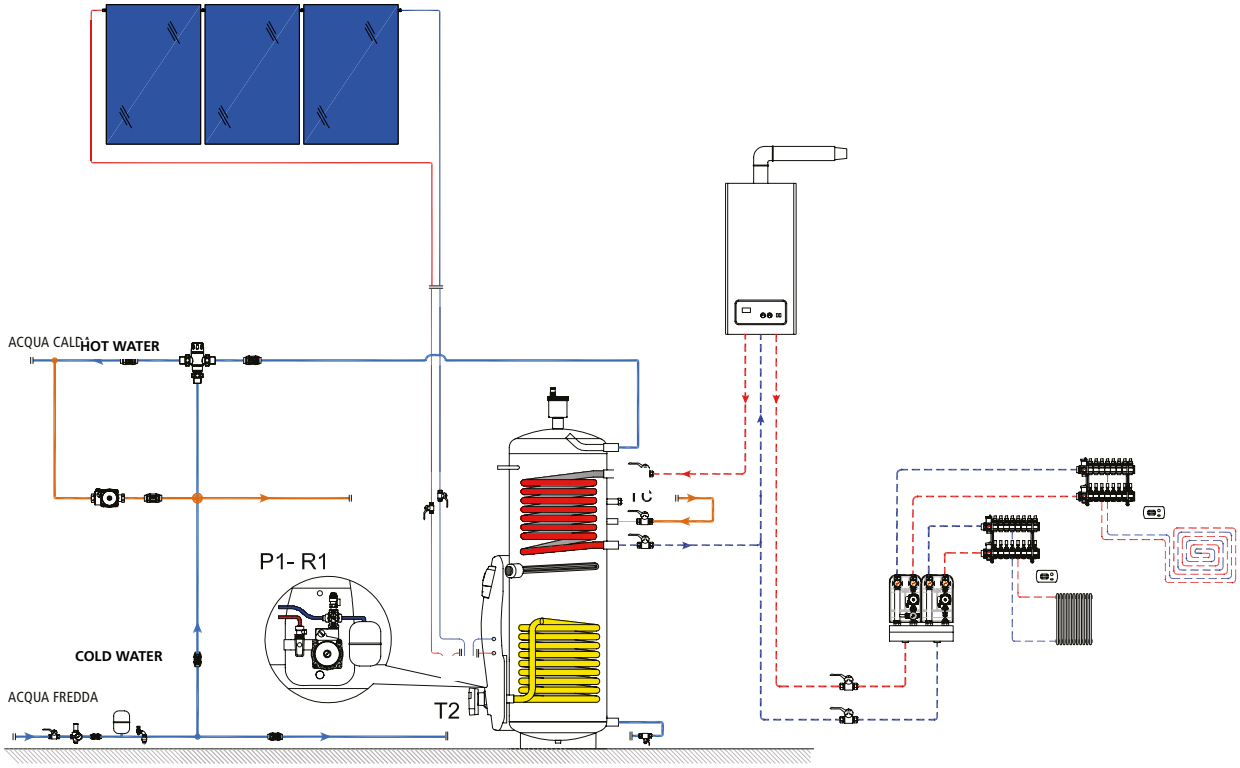
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The convenient, high quality system.
Flat, high efficiency collectors!

ECO SMART SYSTEMS
A new generation of solar systems for the production of domestic hot water with built-in solar station, pre-wired electronic control unit, and KSF-D25 flat collectors.
Easy to install, SMART ECO systems are equipped with an extremely efficient electronic exchanger and PLEION PB 404 control unit. The DIN 4753 vitrification and the high efficiency coefficient of the solar system combined with an electricity consumption below €6 per year make it ideal for domestic use.

KSF-D25
The KSF-D25 collector is particularly robust, thanks to the reinforced and welded aluminium profile frame and the 4 mm thick glass. It is also easy to install and connect thanks to the 22 mm diameter copper hose connections. Cover with 4.0 mm tempered anti-reflective glass, with high transparency, to ensure maximum light transmission, capable of capturing as much energy as possible as well as being internally treated to be able to internally reflect the infra-red rays generated by the absorber, thus retaining the heat otherwise emitted externally by means of the heated glass.



SMART ECO 200-300-500

Eco Compact accumulator with KSF-D25 flat collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll. Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	Idra basic set	Plus set Idra	Antifreeze (l)	COD.
200	1	2.53	1-3	•	•	18	•	-	2	•	1	-	10	1010202081
300	2	5.04	3-5	•	•	24	•	-	2	•	1	1	20	1010203091
500	3	7.56	5-7	•	•	35	-	•	2	•	1	2	30	1010205101

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

SMART RAY



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

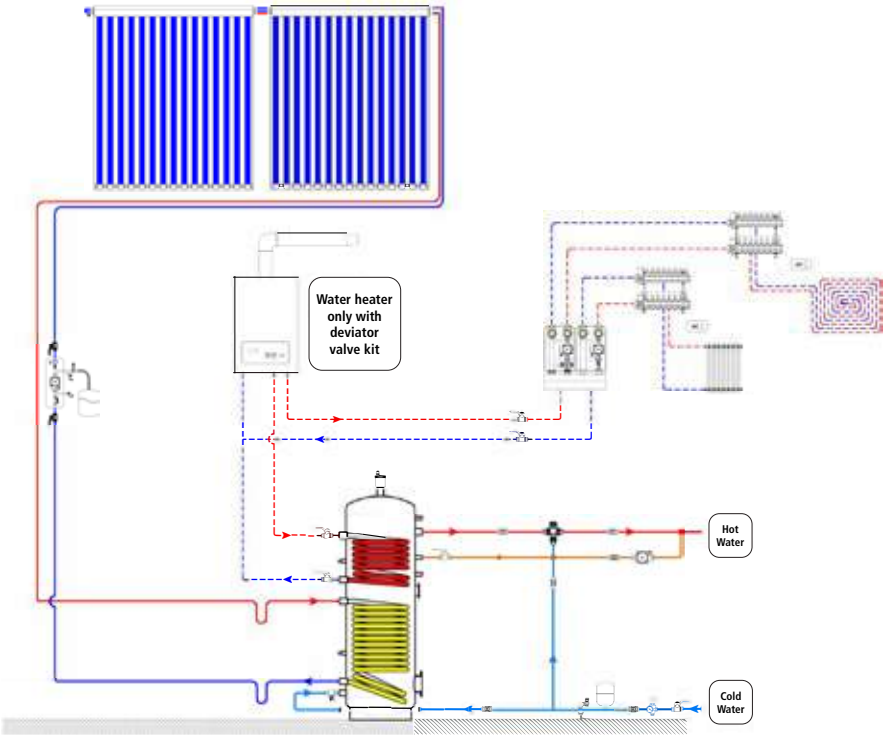
The convenient, high quality system.
Evacuated collectors with exclusive 3rd tube built in!

VITRIFIED DOUBLE COIL BOILER
Range of boilers with two internal coils for storing domestic hot water. These boilers are designed to provide the maximum yield with the solar exchanger located at the bottom and the second exchanger at the top. The energy captured by the solar collectors is transferred to the domestic water inside the boiler by means of the specific solar exchanger.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings. The ideal collector for maximum efficiency in the winter.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



SMART RAY

VITRIFIED DOUBLE COIL BOILER with X-RAY R evacuated collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Solar station	Expansion vessel (l)	Kit Coll. Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	BASIC SET	PLUS SET	Antifreeze (l)	COD.
200	1 (21R)	4.45	1-3	•	•	24	•	-	•	•	1	-	20	1020405211
300	2 (15R)	6.36	3-5	•	•	35	-	•	•	•	1	1	20	1020405241
300	2 (18R)	7.64	5-7	•	•	50	-	•	•	•	1	1	20	1020405231
500	3 (18R)	11.46	5-7	•	•	80	-	•	•	•	1	2	40	1020405201

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.
2. For logistical reasons, the insulation colour may change (e.g., grey).

SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

SMART

VITRIFIED BOILER
TWO COILS

KSF-D25



DOMESTIC WATER

The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS

BOILER WARRANTY 5 YEARS

*EXTENDED WARRANTY

ErP READY

APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

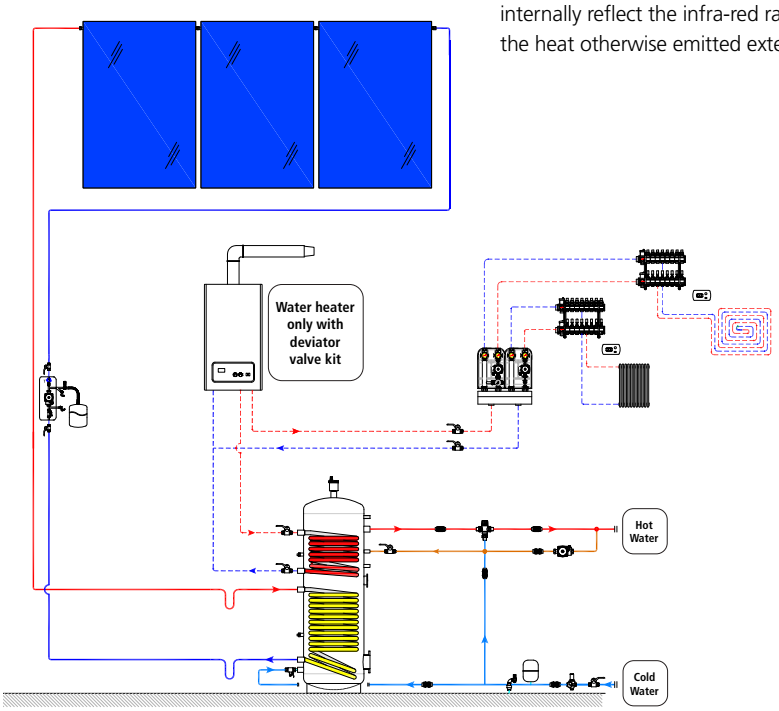
The convenient, high quality system.
The high efficiency, convenient flat collector!

VITRIFIED DOUBLE COIL BOILER

Range of boilers with two internal coils for storing domestic hot water. These boilers are designed to provide the maximum yield with the solar exchanger located at the bottom and the second exchanger at the top. The energy captured by the solar collectors is transferred to the domestic water inside the boiler by means of the specific solar exchanger.

KSF-D25

The KSF-D25 collector is particularly robust, thanks to the reinforced and welded aluminium profile frame and the 4 mm thick glass. It is also easy to install and connect thanks to the 22 mm diameter copper hose connections. Cover with 4.0 mm tempered anti-reflective glass, with high transparency, to ensure maximum light transmission, capable of capturing as much energy as possible as well as being internally treated to be able to internally reflect the infra-red rays generated by the absorber, thus retaining the heat otherwise emitted externally by means of the heated glass.



SMART

VITRIFIED DOUBLE COIL BOILER with KSF-D25 flat collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	BASIC SET IDRA	PLUS SET IDRA	Antifreeze (l)	COD.
200	1	2.52	1-3	•	•	18	•	2	•	1	-	10	1020402021
200	2	5,04	1-3	•	•	24	•	2	•	1	1	10	1020402031
300	2	5,04	3-5	•	•	24	•	2	•	1	1	20	1020403031
300	3	7,56	3-5	•	•	35	•	2	•	1	2	20	1020403041
500	3	7,56	5-7	•	•	35	•	2	•	1	2	30	1020405011
500	4	10,08	5-7	•	•	50	•	2	•	1	3	30	1020405021

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.
2. For logistical reasons, the insulation colour may change (e.g., grey).

SOLAR KEYMARK

45° FLAT ROOF

PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

MASTER RAY

VITRIFIED BOILER
TWO COILS

X-RAY R

+15% EFFICIENCY*

3RD TUBE BUILT-IN

DOMESTIC WATER



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

Maximum yield throughout the year for medium/large domestic water consumption.
Evacuated collector with exclusive built-in 3rd tube!

MASTER RAY

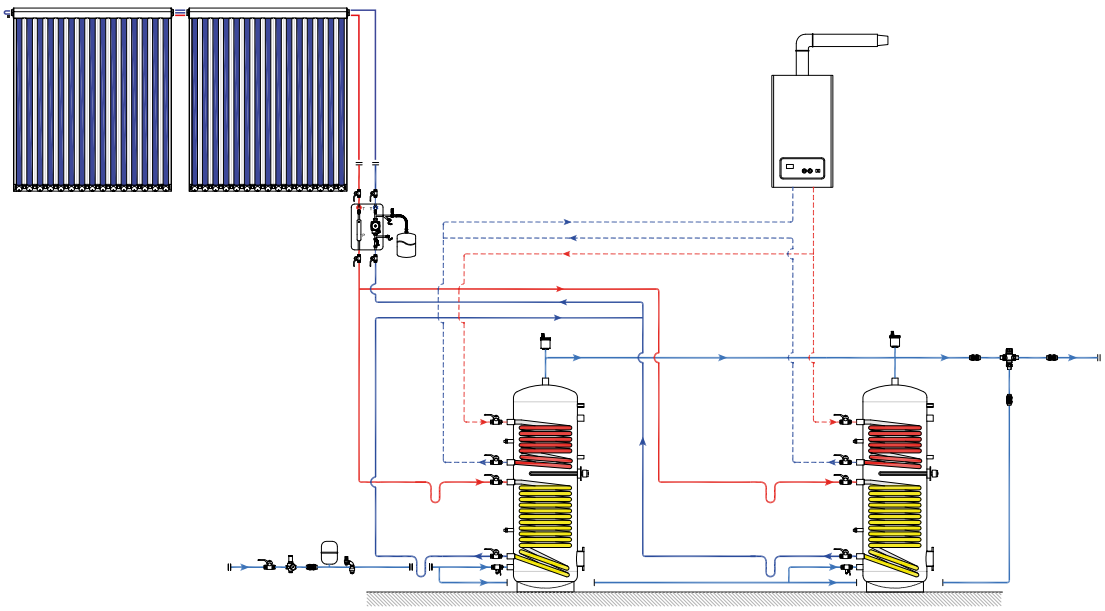
Domestic water solar system made up of a **single double coil boiler** from **800-2,000 litres** and with **parallel connection of two boilers** for sizes **3,000-4,000 litres**. Accumulator equipped with lower exchanger for connection to the solar collector and a second upper exchanger for the high temperature "gas-biomass hot water heater" generator.
MASTER 800-2,000 systems are available in 7 sizes according to the structure's consumption.
Accessories such as the solar station and expansion vessel present in the KIT were chosen to ensure maximum performance of the solar system. The system control unit guarantees control of the hot water heater.

X-RAY R

High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



MASTER RAY

BRR BOILER with X-RAY R evacuated collectors

LITRES	Coll.	m²	Solar Control unit PB404	Solar Station B 13/7	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Temperature probes	Thermostatic mixing valve 1" 35 °/60 °C	BASIC SET	PLUS SET	Capacity regulator	Antifreeze (l)	COD.
800	3 (18R)	11.46	•	B 13/7	80	•	2	1	•	1	2	-	80	1010208101
1000	3 (21R)	13.35	•	B 13/7	100	•	2	1	•	1	2	-	100	1010201002
1500	4 (21R)	17.80	•	B 13/7	100	•	2	1	•	1	3	-	100	1010201502
2000	6 (21R)	26.70	•	B 13/7	150	-	2	1	•	2	4	-	120	1010202002
3000	8 (21R)	35.60	•	B 35/9	200	-	4	2	•	2	6	-	180	1010203002
4000	11 (21R)	48.95	•	B 35/9	300	-	4	3	•	3	8	3	260	1010204002
4000	12 (18R)	45.84	•	B 35/9	300	-	4	3	•	3	9	-	260	1010204003

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + WATER HEATER / BIOMASS

MASTER PLUS

VITRIFIED BOILER
TWO COILS

KSF-P26



DOMESTIC WATER

The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS

*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

ErP READY — APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

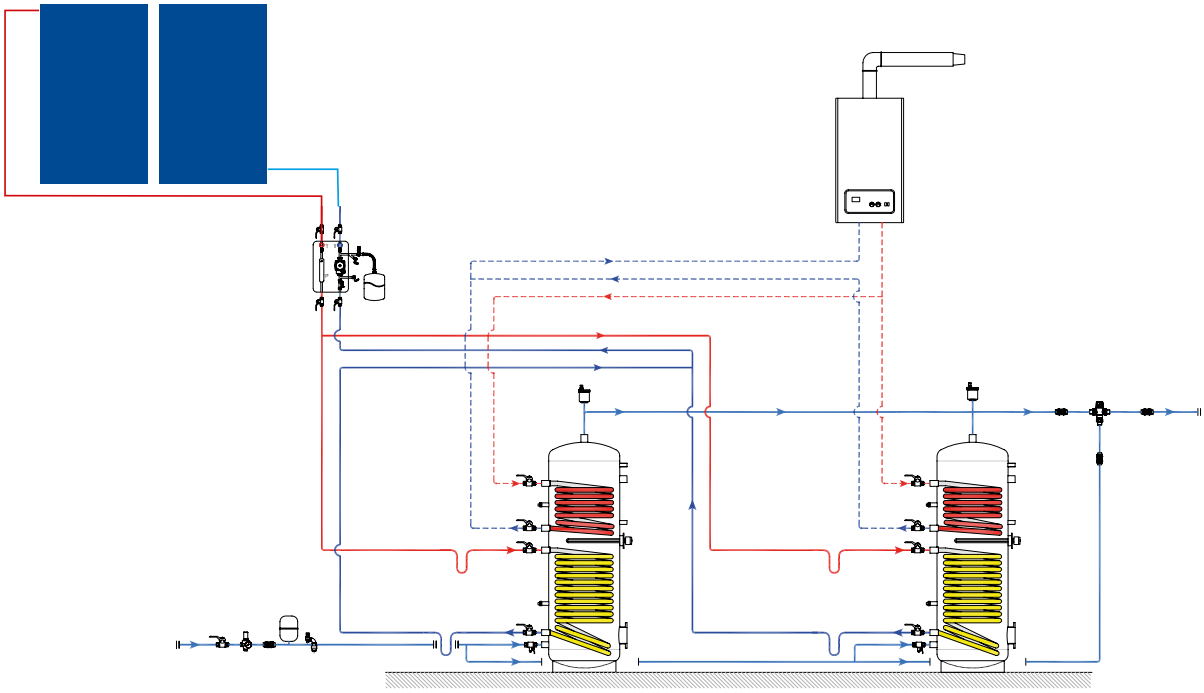
High quality convenient systems for medium/large domestic water consumption.
High efficiency flat collector!

MASTER PLUS

Domestic water solar system comprised of a **single double coil boiler** in sizes from **800-2,000 litres.** Boiler equipped with lower exchanger for connection to the solar collector and a second upper exchanger for the high temperature "gas-biomass hot water heater" generator.
The SAN 800-2,000 is available in 4 sizes according to the structure's consumption.
Accessories such as the solar station and expansion vessel present in the KIT were chosen to ensure maximum performance of the solar system.
The system control unit guarantees control of the hot water heater.

KSF-P26

High efficiency 2.62 m² large surface flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.



MASTER PLUS													
BRR BOILER with KSF-P26 flat collectors													
LITRES	Coll.	m²	Solar Control unit PB404	Solar Station B 13/7	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Temperature probes	Thermostatic mixing valve 1" 35 °/60 °C	BASIC SET IDRA	PLUS SET IDRA	Antifreeze (l)	COD.
800	4	10.48	•	•	50	1	2	3	1	1	3	50	1020208042
1000	6	15.72	•	•	100	1	2	3	1	1	5	80	1020201062
1500	8	20.96	•	•	100	1	2	3	1	2	6	80	1020201582
2000	10	26.20	•	•	150	-	2	3	1	2	8	100	1020202102

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

ECO COMPACT HPS ECLIPSE

+15% EFFICIENCY*

3RD TUBE BUILT-IN

ECO COMPACT HPS



DOMESTIC WATER

NO STAGNATION

NEW ANTI-STAGNATION ECLIPSE SYSTEM

The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS

*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

GUARANTEED FOR TUBES 10 YEARS

HAIL PROTECTION

ErP READY

APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

Efficiency and safety throughout the year.
Evacuated ANTI-STAGNATION collector!

ECO COMPACT HPS ECLIPSE

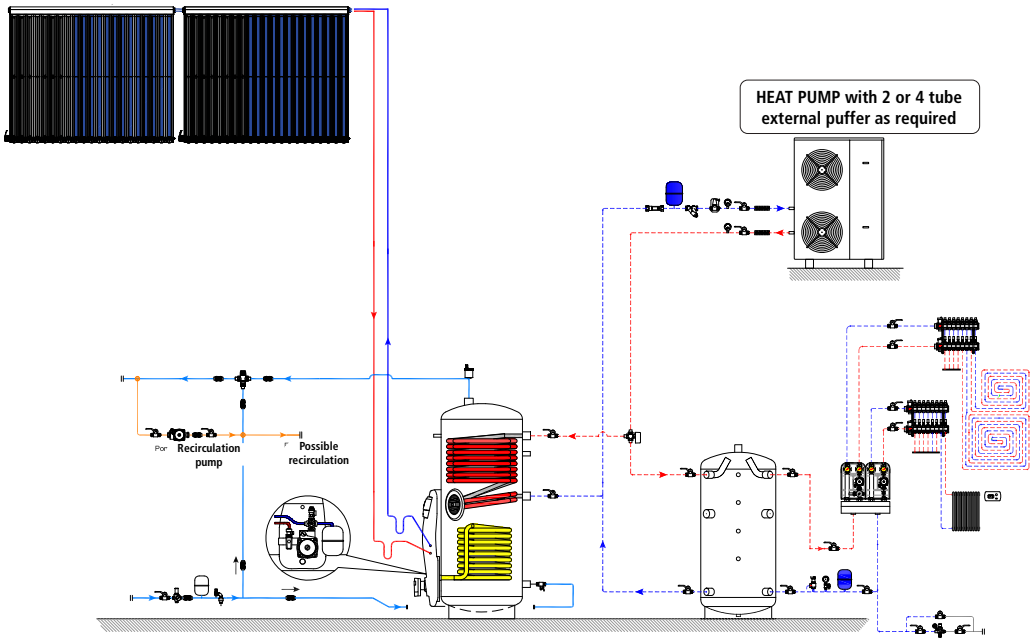
Eco solar systems in the HPS series for the production of domestic hot water are designed with accumulator with a coil having a surface 2.7 times greater than similar hot water heater coils.
They are perfect for being combined with heat pumps that operate with a delta T, very low, requiring a greater exchange surface than traditional boilers. Ideal for use in a hybrid solar system.
With built-in solar station equipped with electronic high efficiency exchanger and PLEION PB 404 control unit.

PLEION INNOVATION **ECLIPSE SYSTEM**

The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year.
Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



Eco HPS ECLIPSE 300-500															
Eco Compact HPS accumulator with ECLIPSE SYSTEM Evacuated Collectors															
LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll. Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" 35°/55°C	Smart Controller	BASIC SET	PLUS SET	Antifreeze (l)	COD.
300	1 (21R)	4.45	1-2	•	•	24	•	-	•	•	1	1	0	20	1010303042
500	2 (15R)	6.36	3-5	•	•	40	-	•	•	•	1	1	1	30	1010305032

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTE

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

ECO COMPACT HPS RAY



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

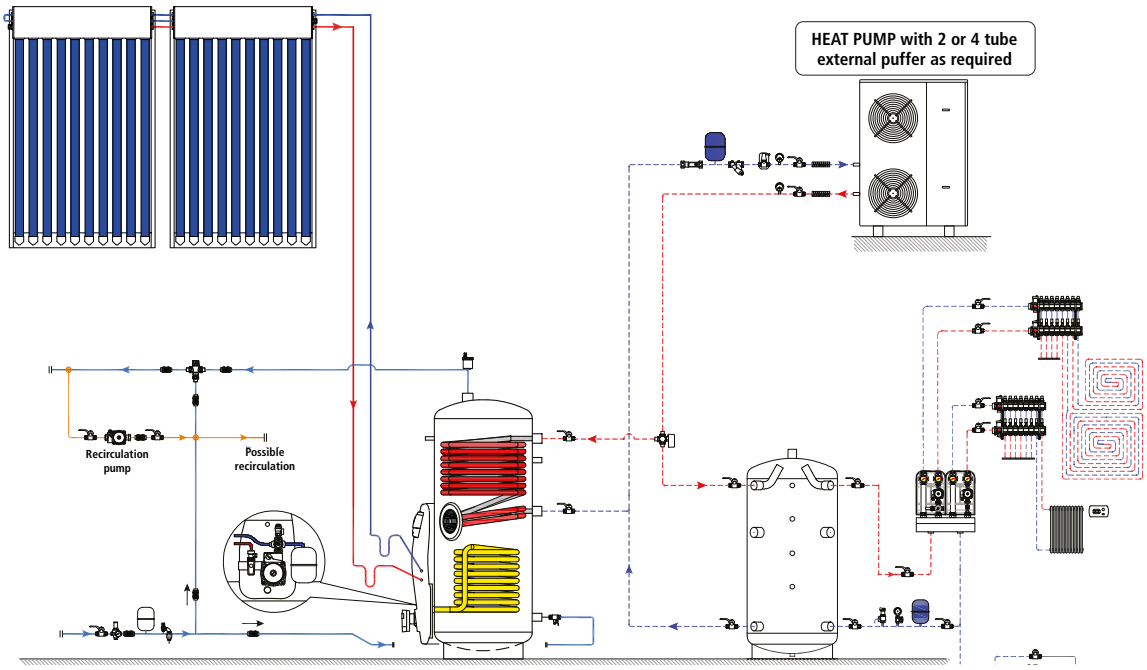
Maximum yield throughout the year.
Evacuated collectors with exclusive 3rd tube built in!

RAY and RAY S ECO COMPACT HPS SYSTEMS
Eco solar systems in the HPS series for the production of domestic hot water are designed with accumulator with a coil having a surface 2.7 times greater than similar hot water heater coils.
They are perfect for being combined with heat pumps that operate with a delta T, very low, requiring a greater exchange surface than traditional boilers. Ideal for use in a hybrid solar system.
With built-in solar station equipped with electronic high efficiency exchanger and PLEION PB 404 control unit.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



Eco HPS RAY 300-500

Eco Compact HPS accumulator with X-RAY R Evacuated Collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Temperature probes	Thermostatic mixing valve 3/4" 35°/55°C	BASIC SET	PLUS SET	Antifreeze (l)	COD.
300	1 (21R)	4.45	3-5	•	•	24	•	1	1	•	1	-	20	1010303041
500	2 (15R)	6.36	5-7	•	•	35	•	1	1	•	1	1	30	1010305031

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

ECO COMPACT HPS
ECO COMPACT HPS PLUS



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

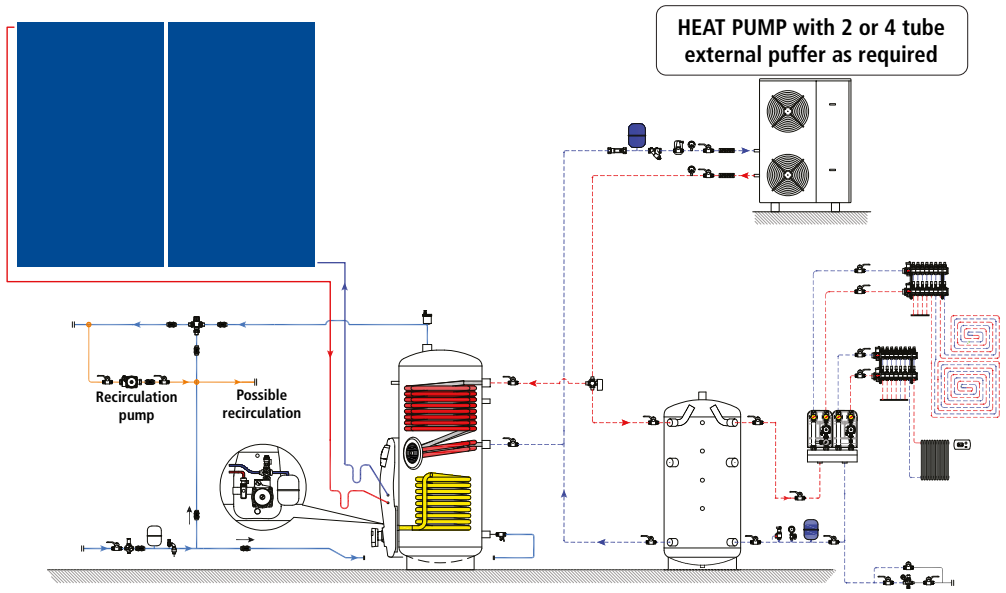
ACTIVATE THE WARRANTY ONLINE!

The convenient, high quality system.
Flat, high efficiency collectors!

ECO COMPACT HPS and ECO COMPACT PLUS SYSTEMS
Eco solar systems in the HPS series for the production of domestic hot water are designed with accumulator with a coil having a surface 2.7 times greater than similar hot water heater coils.
They are perfect for being combined with heat pumps that operate with a delta T, very low, requiring a greater exchange surface than traditional boilers. Ideal for use in a hybrid solar system.
With built-in solar station equipped with electronic high efficiency exchanger and PLEION PB 404 control unit.

UNIKO-P21
High efficiency 2.06 m² flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.

KSF-P26
High efficiency 2.62 m² large surface flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.



Eco Compact HPS 300-500

Eco Compact HPS accumulator with UNIKO-P21 flat collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" M 35°/55°C	Idra basic set	idra plus set	Antifreeze (l)	COD.
300	2	4.12	3-5	•	•	24	•	-	•	•	1	1	20	1020303011
500	3	6.18	5-7	•	•	35	-	•	•	•	1	2	30	1020305011

Eco Compact HPS PLUS 300-500

Eco Compact HPS accumulator with KSF-P26 flat collectors

LITRES	Coll.	m²	PERS.	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Kit Coll Expansion Vessel 3/4" M	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" M 35°/55°C	Idra basic set	Idra plus set	Antifreeze (l)	COD.
300	2	5.24	3-5	•	•	24	•	-	•	•	1	1	20	1020303001
500	3	7.86	5-7	•	•	35	-	•	•	•	1	2	30	1020305001

CHOOSE THE MOUNTING SYSTEM ON PAGE 86v

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

SMART HPS

VITRIFIED BOILER
TWO COILS

KSF-D25



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS

BOILER WARRANTY 5 YEARS

*EXTENDED WARRANTY

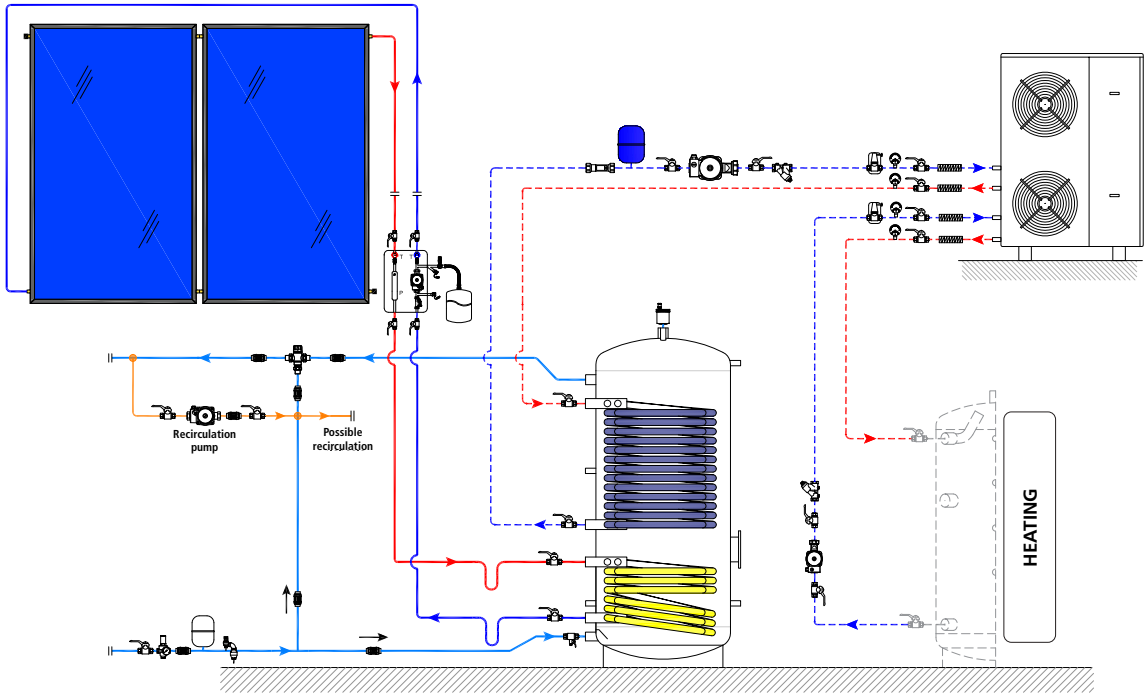
ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The convenient, high quality system.
The high efficiency, convenient flat collector!

VITRIFIED DOUBLE COIL BOILER
Range of boilers with two internal coils for storing domestic hot water. Designed for maximum yield with the exchanger located at the bottom and the second exchanger at the top for combining with a heat pump. The energy captured by the solar collectors is transferred to the domestic water inside the boiler by means of the specific solar exchanger.

KSF-D25
The KSF-D25 collector is particularly robust, thanks to the reinforced and welded aluminium profile frame and the 4 mm thick glass. It is also easy to install and connect thanks to the 22 mm diameter copper hose connections. Cover with 4.0 mm tempered anti-reflective glass, with high transparency, to ensure maximum light transmission, capable of capturing as much energy as possible as well as being internally treated to be able to internally reflect the infra-red rays generated by the absorber, thus retaining the heat otherwise emitted externally by means of the heated glass.



SMART HPS													
VITRIFIED DOUBLE COIL BOILER with KSF-D25 flat collectors													
LITRES	Coll.	m²	PERS.	PB404 Solar Control Unit	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Thermostatic mixing valve 3/4" 35°/55°C	Idra basic set	Idra plus set	Antifreeze (l)	COD.
300	2	5,04	3-5	•	•	24	•	2	•	1	1	20	1020403051
500	3	7.56	5-7	•	•	35	•	2	•	1	2	30	1020405071

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES
1. The components of each solar system must be verified during the design phase.
2. For logistical reasons, the insulation colour may change (e.g., grey).

SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS
+ HOT/COLD ACCUMULATOR FOR HEAT PUMP
BPU EGO



The images are for illustrative purposes only. The products may undergo changes based on availability.

5 YEAR WARRANTY

EGO Smart.Solar.Box
was developed in collaboration with the most prestigious Research Institutes and Entities

UNIVERSITY OF TRENTO - Italy

ENEA

034

ACTIVATE THE WARRANTY ONLINE!

The innovative system to improve the efficiency of any heat pump.
Tankless solar water heating!

PLEION INNOVATION **BPU**

BPU is made up of a vitrified accumulator for DHW including an OVERSIZED exchanger for heat pump and a technical water flywheel for integration of the heating and cooling.

Solar system consisting of an EGO tankless solar water heating collector for pre-heating to a BPU boiler with double accumulator to improve the efficiency of any heat pump.

EGO

It is the new tankless solar water heater, compact and integrated, ALL-IN-ONE.

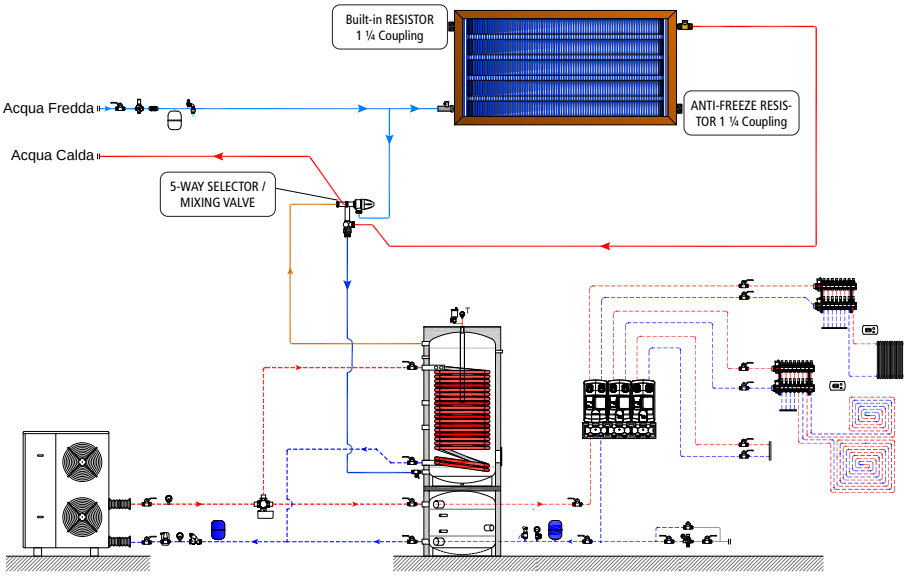
- HOT WATER FOR ALL SEASONS*

EVEN WITH LOW SOLAR RADIATION.

* Even in frigid temperatures with option resistor.

- READY-TO-USE SOLAR SYSTEM, all in one box!
- 5 YEAR warranty, with compliant installation and use.
- Resistant to even the harshest water.

The new LEXAN® panel considerably reduces heat dispersion compared to the traditional glass, eliminates the condensation effect, and increases resistance to bad weather.



BPU EGO

BPU BOILER with EGO solar Collector

LITRES	Collector	m²	Upper sanitary accumulator (l)	Lower technical hot/cold accumulator (l)	Heat pump exchanger surface (m²)	Recommended housing surface area (m²)	Recommended number of people x DHW	Maximum heat pump power that can be installed (kW)	Selector-Mixing valve (5 way)	COD.
300	EGO 180B	2.35	205	71	3	100-120	2-4	12	1	1010300180
300	EGO 180R	2.35	205	71	3	100-120	2-4	12	1	1010300181
500	EGO 260B	3.18	371	127	4.4	150-180	3-5	18	1	1010300260
500	EGO 260R	3.18	371	127	4.4	150-180	3-5	18	1	1010300261

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

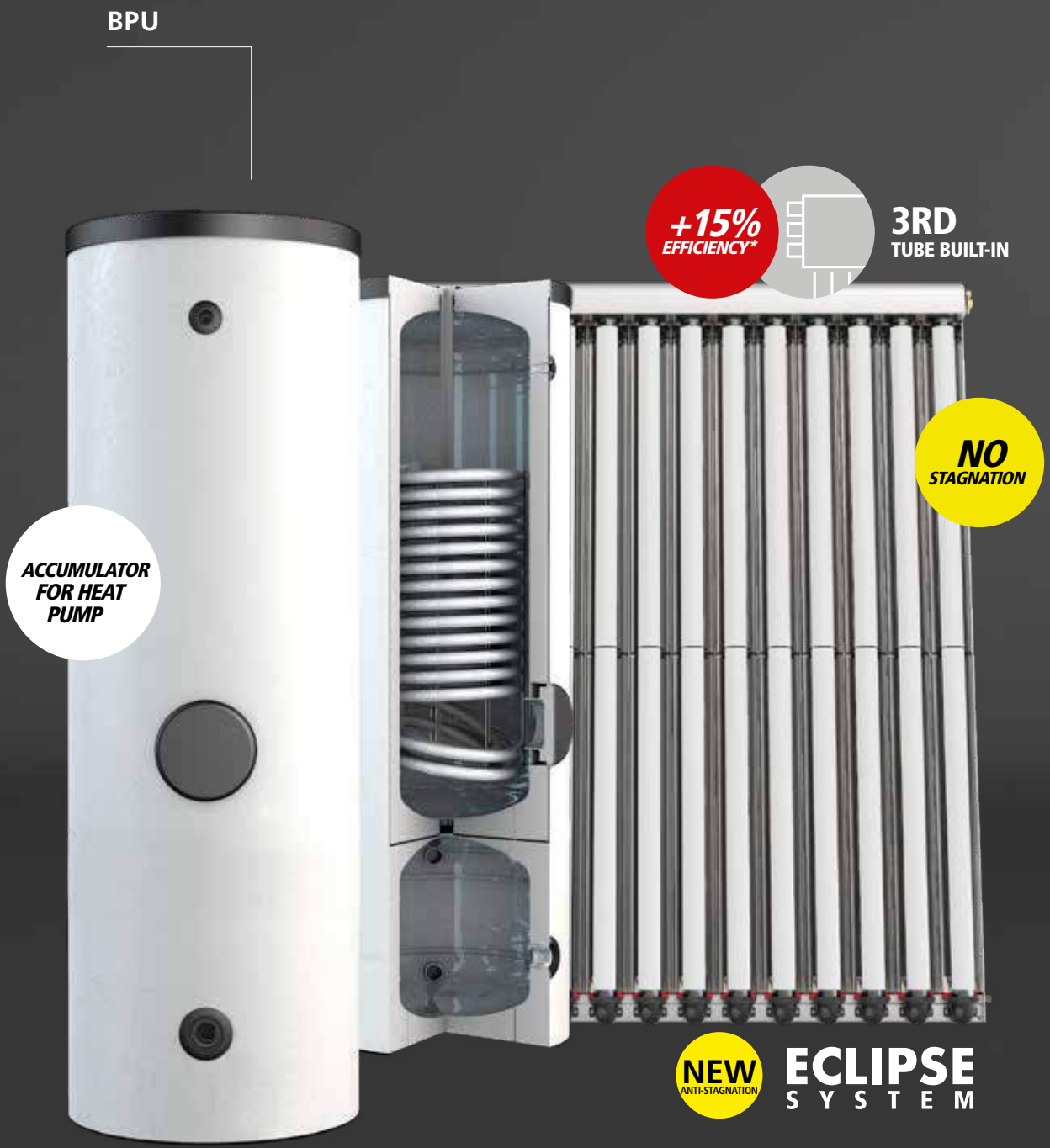
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

+ HOT/COLD ACCUMULATOR FOR HEAT PUMP

BPU ECLIPSE



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The innovative system to improve the efficiency of any heat pump.
ANTI-STAGNATION

PLEION INNOVATION **BPU**

The BPU is made up of a vitrified accumulator for DHW including an OVERSIZED exchanger for heat pump and a technical water flywheel for integration of the heating and cooling.

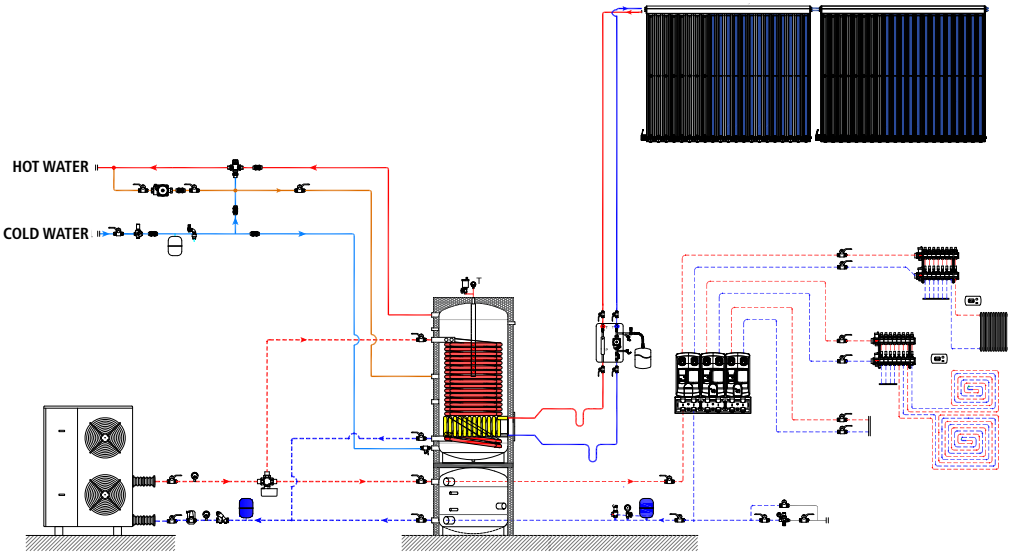
Solar system made up of ECLIPSE SYSTEM anti-stagnation evacuated collectors connected to a BPU boiler having double accumulator to improve the efficiency of any heat pump.

PLEION INNOVATION **ECLIPSE SYSTEM**

The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year.
Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



BPU ECLIPSE

BPU BOILER with ECLIPSE SYSTEM Evacuated Collectors

LITRES	Collectors	m²	Smart Controller	Upper sanitary accumulator (l)	Lower technical hot/cold accumulator (l)	Heat pump exchanger surface (m²)	Recommended housing surface area (m2)	Recommended number of people x DHW	Maximum heat pump power that can be installed (kW)	Auxiliary solar exchanger in flange	PB404 Solar Control unit	Smart Controller	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" M - 35°/55°C	BASIC SET	PLUS SET	ANTIFREEZE	COD.
300	1 (21R)	4.45	1	205	71	3	100-120	2-4	12	•	•	1	B13-7	24	•	•	•	1	-	20	1010300215
500	2 (15R)	5.26	1	371	127	4.4	150-180	3-5	18	•	•	1	B13-7	40	•	•	•	1	1	30	1010500315

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

+ HOT/COLD ACCUMULATOR FOR HEAT PUMP

BPU D25



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The innovative system to improve the efficiency of any heat pump.
High efficiency flat collector!

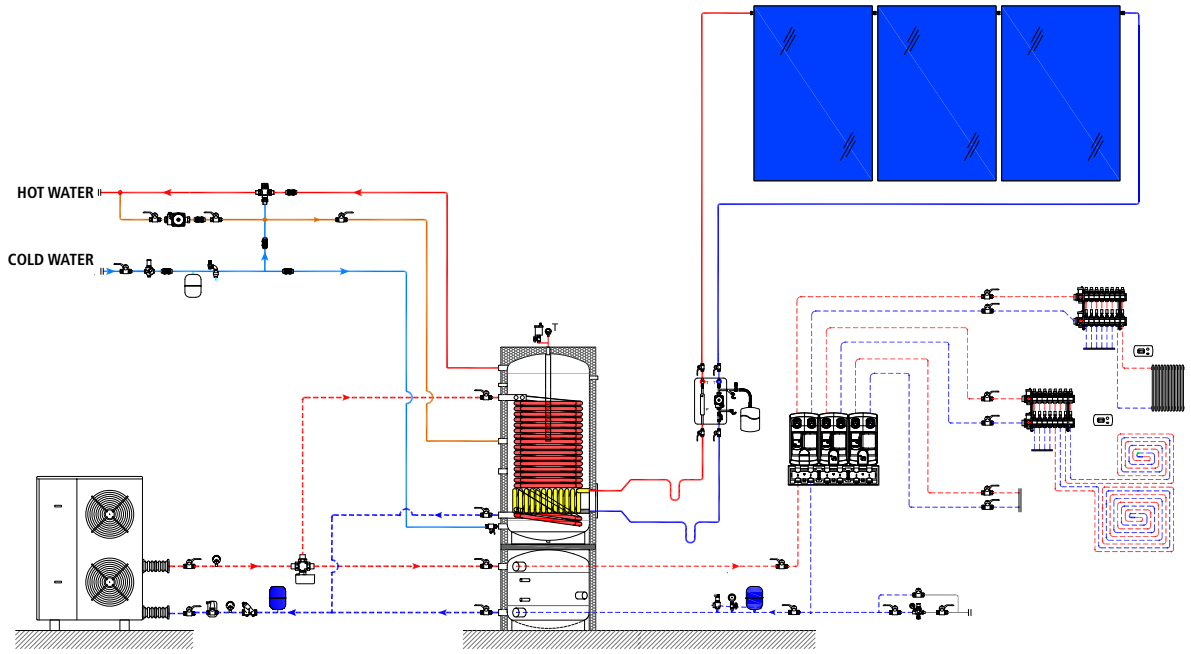
PLEION INNOVATION **BPU**

The BPU is made up of a vitrified accumulator for DHW including an OVERSIZED exchanger for heat pump and a technical water flywheel for integration of the heating and cooling.

Solar system made up of KSF-D25 flat collectors connected to a BPU boiler having double accumulator to improve the efficiency of any heat pump.

KSF-D25

High efficiency flat solar collector (2.43 m²) with a sturdy external aluminium frame treated with special additives for protection against corrosion. The single harp internal copper circuitry consists of 2 horizontal distribution pipes and 12 vertical ultrasonically welded pipes, providing maximum heat exchange and reduced load losses, allowing the creating of strings of up to 6 collectors, also reducing the consumption of the system exchanger resulting in energy savings.



BPU D25

BPU BOILER with KSF-D25 flat collectors

LITRES	Collectors	m²	Upper sanitary accumulator (l)	Lower technical hot/cold accumulator (l)	Heat pump exchanger surface (m²)	Recommended housing surface area (m2)	Recommended number of people x DHW	Maximum heat pump power that can be installed (kW)	Auxiliary solar exchanger in flange	PB404 Solar Control Unit	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve 3/4" M - 35°/55 °C	BASIC SET	PLUS SET	ANTIFREEZE	COD.
300	1	2.52	205	71	3	100-120	2-4	12	•	•	B13-7	18	•	•	•	1	-	20	1010300224
500	2	5,04	371	127	4.4	150-180	3-5	18	•	•	B13-7	35	•	•	•	1	1	30	1010500324

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

JET RAY WITH ECLIPSE



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS *EXTENDED WARRANTY

BOILER WARRANTY 2 YEARS

TUBE WARRANTY 10 YEARS HAIL PROTECTION

ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The innovative system that combines the efficiency of the heat pump with solar energy. Evacuated large surface collector!

JET 300S

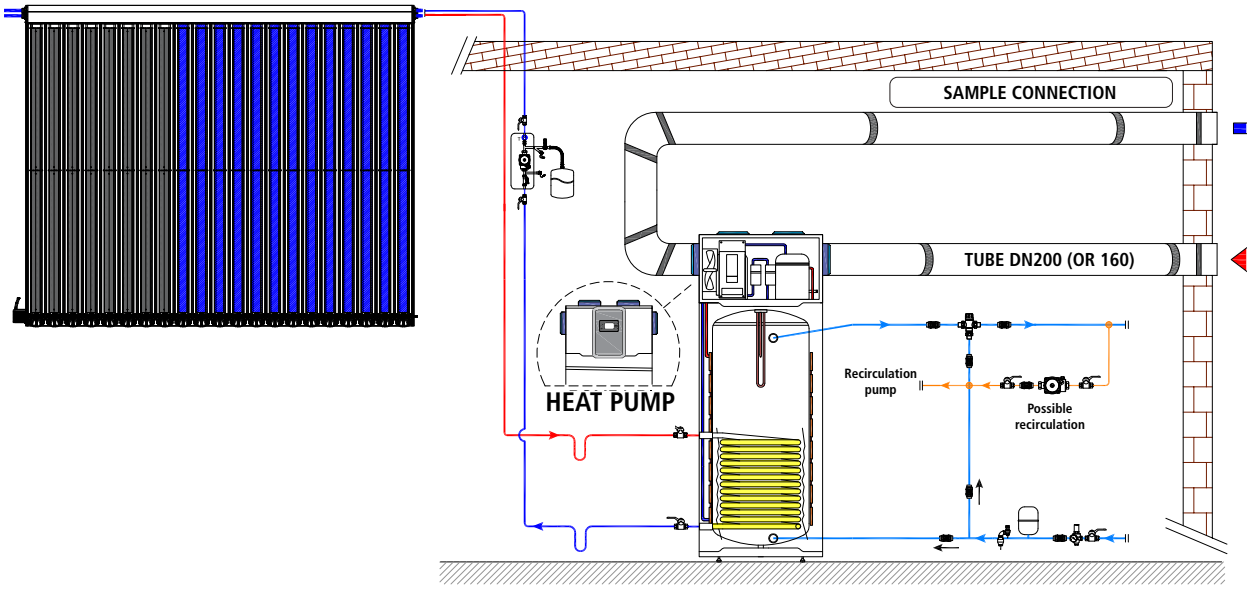
AIR/WATER high temperature heat pump for the production of domestic hot water with 300-litre accumulator with 1 exchanger for combining with solar collectors.
JET 300S heat pumps, combining the thermal energy of the air with solar radiation, allow maximum energy convenience, safeguarding the environment.
Its advanced technology, the ease of installation, and its silent operation complete the benefits of the JET 300S heat pump.

PLEION INNOVATION **ECLIPSE SYSTEM**

The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year.
Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



JET RAY with ECLIPSE												
JET 300S* heat pump with X-RAY 21R (PERFORMA)** evacuated collector												
LITRES	Coll.	m²	PB404 Solar Control unit	B13-7 with solar station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Thermostatic mixing valve 3/4" 35°/55°C	Basic Set	Smart Controller	Antifreeze (l)	COD.
300	1(21R)	4.45	•	•	40	•	1	•	1	1	20	1010303032

***To use the vertical air conduit, the AIR DEVIATION SET - Code 1030902912 is required**

****CHOOSE THE MOUNTING SYSTEM ON PAGE 86**

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

JET RAY



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 2 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The innovative system that combines the efficiency of the heat pump with solar energy. Evacuated large surface collector!

JET 300S

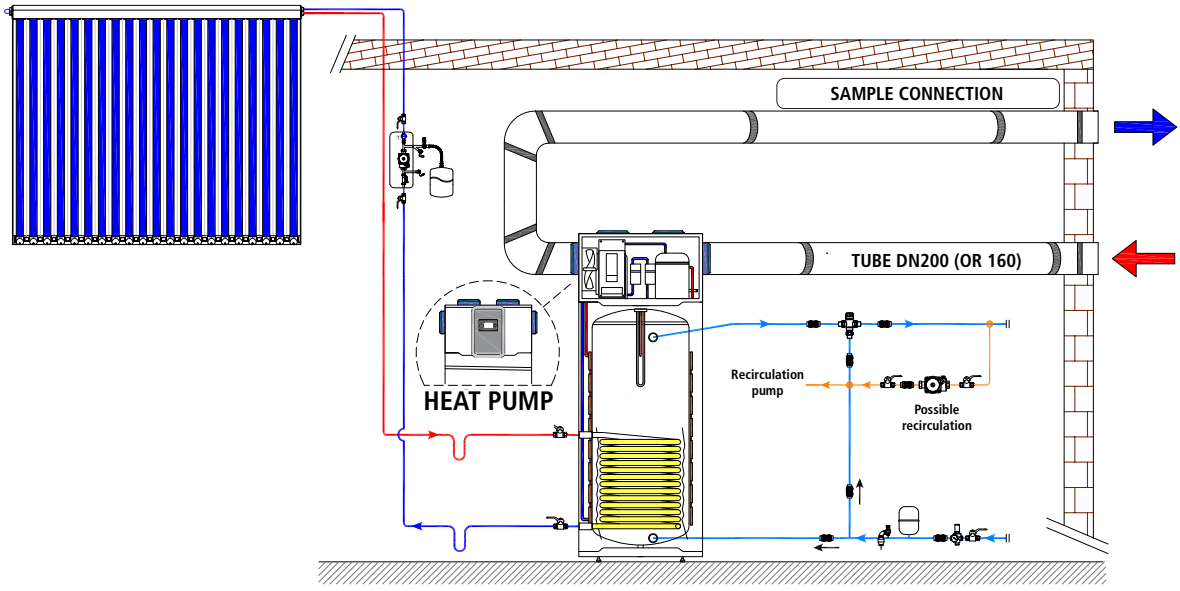
AIR/WATER high temperature heat pump for the production of domestic hot water with 300-litre accumulator with 1 exchanger for combining with solar collectors.
JET 300S heat pumps, combining the thermal energy of the air with solar radiation, allow maximum energy convenience, safeguarding the environment.
Its advanced technology, the ease of installation, and its silent operation complete the benefits of the JET 300S heat pump.

X-RAY 21 R

The X-RAY 21 R high performance evacuated tube collector is comprised of 21 tubes with an external diameter of 58 mm made of 3.3 borosilicate glass with a double cavity, inside of which a vacuum is created to eliminate heat loss to the outside environment. The internal hydraulic circuit is made of Ø 22x0.8 mm copper connecting pipes with ¾"M welded couplings in each glass tube by an equal number of Ø 8x1 mm U-bent copper outlet and return pipes in which the solar heat transfer fluid flows for heating. The entire external structure of the collector is in aluminium while the side closures are made of thermoplastic.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



JET RAY												
JET 300S* heat pump with X-RAY 21R (PERFORMA)** evacuated collector												
LITRES	Coll.	m²	PB404 Solar Control Unit	Solar station with solar control unit	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Thermostatic mixing valve 3/4" 35°/55°C	Basic Set	Plus set	Antifreeze (l)	COD.
300	1	4.45	•	•	35	•	1	•	1	-	20	1010303032

***To use the vertical air conduit, the AIR DEVIATION SET - Code 1030902912 is required**

****CHOOSE THE MOUNTING SYSTEM ON PAGE 86**

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK | 45° FLAT ROOF | PITCHED ROOF

DHW DOMESTIC WATER SOLAR SYSTEMS

SOLAR + HEAT PUMP

JET PLUS

JET 300S

KSF-P26



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5·5 YEARS

BOILER WARRANTY 2 YEARS

*EXTENDED WARRANTY

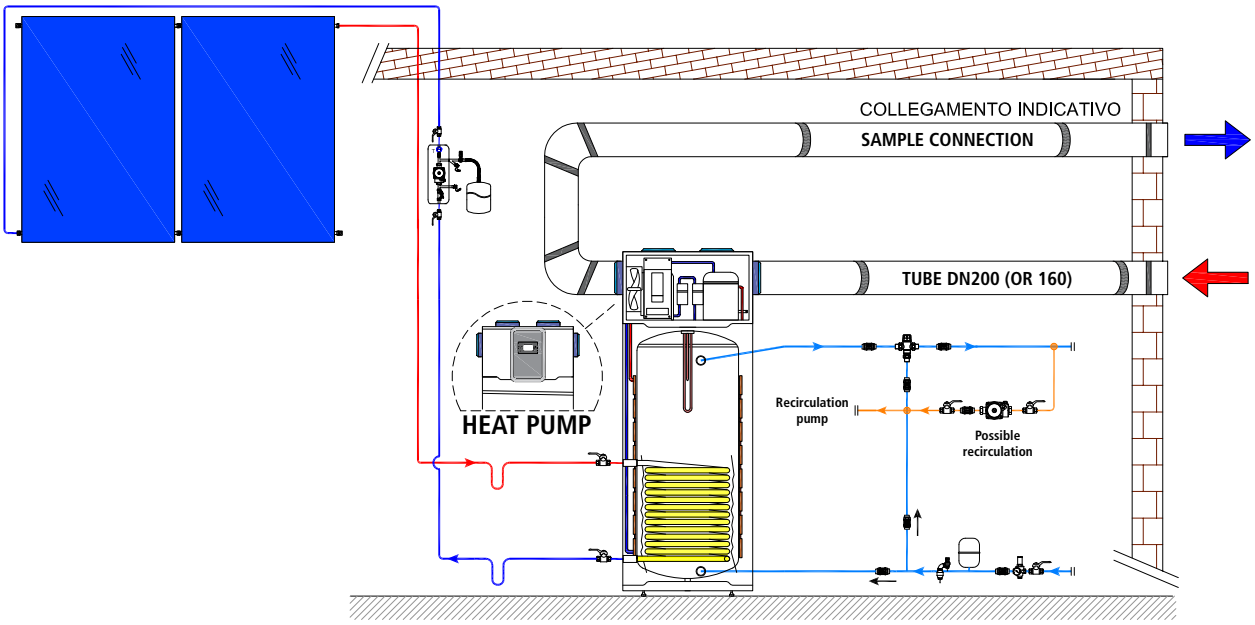
ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The innovative system that combines the efficiency of the heat pump with solar energy. Flat, high efficiency collectors!

JET 300S
AIR/WATER high temperature heat pump for the production of domestic hot water with 300-litre accumulator with 1 exchanger for combining with solar collectors.
JET 300S heat pumps, combining the thermal energy of the air with solar radiation, allow maximum energy convenience, safeguarding the environment.
Its advanced technology, the ease of installation, and its silent operation complete the benefits of the JET 300S heat pump.

KSF-P26
High efficiency 2.62 m² large surface flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.



JET PLUS												
JET 300S* heat pump with KSF-P26** Flat Collector												
LITRES	Coll.	m²	PB404 Solar Control Unit	Solar station with solar control unit	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Thermostatic mixing valve 3/4" 35°/55°C	Basic Set	Plus set	Antifreeze (l)	COD.
300	2	5.24	•	•	24	•	1	•	1	1	20	1020303031

***To use the vertical air conduit, the AIR DEVIATION SET - Code 1030902912 is required**

****CHOOSE THE MOUNTING SYSTEM ON PAGE 86**

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

ULTRAFRESH ECLIPSE 401

ULTRAFRESH 401

ECLIPSE SYSTEM

+15% EFFICIENCY*

3RD TUBE BUILT-IN

TECHNICAL WATER

NO STAGNATION

INTEGRATED DHW MODULE* 20 l/m

INTEGRATED SOLAR STATION



NEW ANTI-STAGNATION ECLIPSE SYSTEM

The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS *EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS HAIL PROTECTION

ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

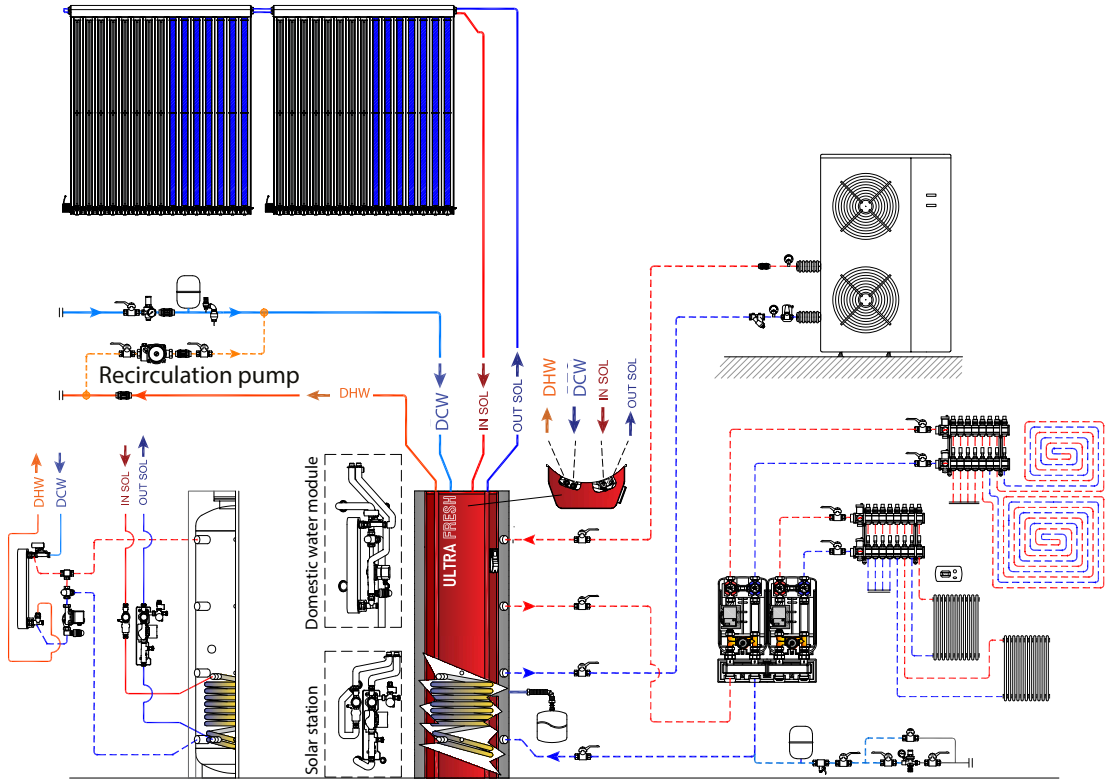
Compact and integrated solution.
Evacuated ANTI-STAGNATION collector!

PLEION INNOVATION **ULTRAFRESH 401 With 401-litre inertial storage that brings the pre-installed solar station on board, as well as the instant heating module for domestic hot water with brazed stainless steel plate heat exchanger. The domestic water heating module is equipped with a temperature regulation system and is designed to maximise stratification in the storage tank. The solar regulation control unit is also pre-wired and positioned on board.**

PLEION INNOVATION **ECLIPSE SYSTEM**
The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year.
Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



ULTRAFRESH ECLIPSE 401															
ULTRAFRESH 401 accumulator with ECLIPSE SYSTEM Evacuated Collectors															
LITRES	Coll.	m²	Solar Control unit PB404	Built-in Solar Station	DHW production module 20 l/min	Expan. vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Temperature Probe	Thermostatic mixing valve 1" 35°/60°C	Smart Controller	BASIC SET	PLUS SET	Antifreeze (l)	COD.
401	1 (21R)	4.45	•	•	•	24	•	2	3	•	1	1	0	30	1010213532
401	2 (15R)	6.36	•	•	•	40	•	2	3	•	1	1	1	40	1010213533

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

ULTRAFRESH RAY 401



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SOLAR COLLECTOR WARRANTY 5+5 YEARS *EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS HAIL PROTECTION

ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

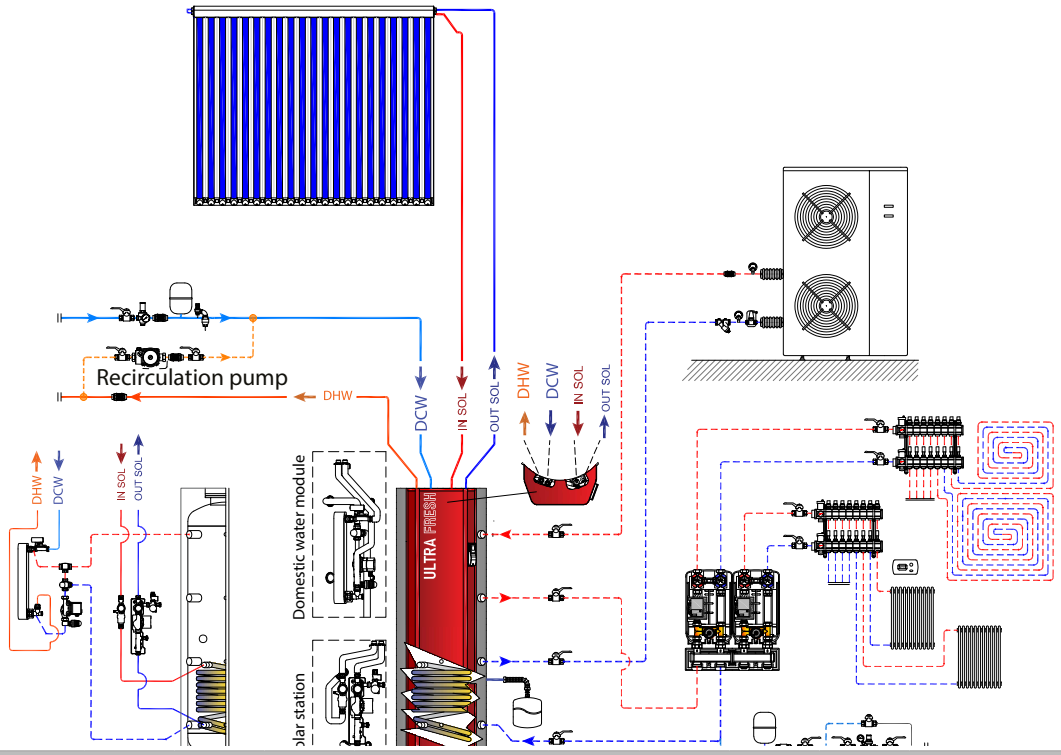
Compact and integrated solution.
Evacuated collector with exclusive 3rd tube built in!

PLEION INNOVATION **ULTRAFRESH 401 With 401-litre inertial storage that brings the pre-installed solar station on board, as well as the instant heating module for domestic hot water with brazed stainless steel plate heat exchanger. The domestic water heating module is equipped with a temperature regulation system and is designed to maximise stratification in the storage tank. The solar regulation control unit is also pre-wired and positioned on board.**

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



ULTRAFRESH RAY 401														
ULTRAFRESH 401 accumulator with X-RAY R Evacuated Collectors														
LITRES	Coll.	m²	Built-in Solar Station	DHW production module 20 l/min	Built-in Solar Control Unit	Expan. vessel(l)	Shutoff fitting expansion vessel 3/4" M	Probe Holder Fitting	Temperature Probe	Thermostatic mixing valve 1" M 35 °/55 °C	BASIC SET	PLUS SET	Antifreeze (l)	COD.
401	1 (21R)	4.45	•	•	•	24	•	2	3	•	1	-	30	1010213534

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

ULTRAFRESH PLUS 401

ULTRAFRESH 401

KSF-P26



TECHNICAL WATER

INTEGRATED DHW MODULE* **20 l/m**

INTEGRATED SOLAR **STATION**

The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS

BOILER WARRANTY 5 YEARS

*EXTENDED WARRANTY

ErP READY

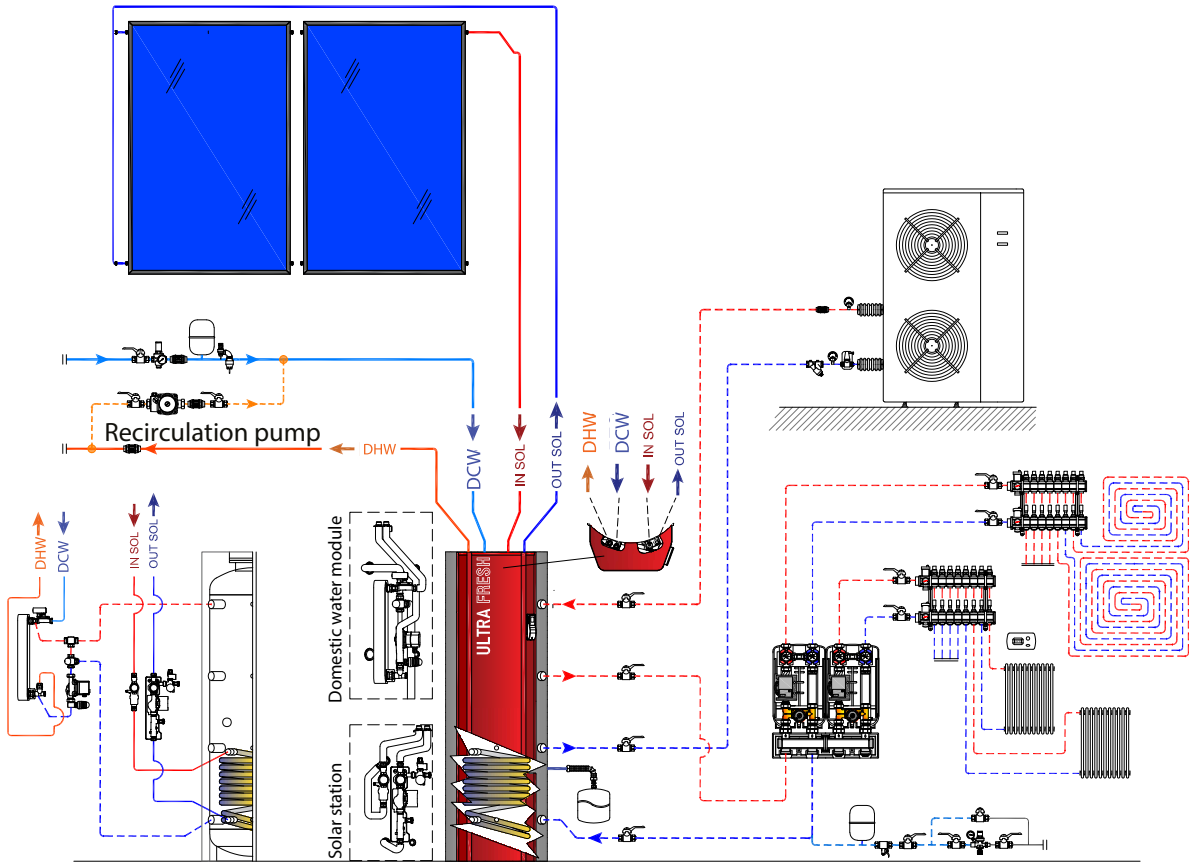
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

Compact and integrated solution.
Flat, high efficiency collectors!

PLEION INNOVATION **ULTRAFRESH 401 With 401-litre inertial storage that brings the pre-installed solar station on board, as well as the instant heating module for domestic hot water with brazed stainless steel plate heat exchanger. The domestic water heating module is equipped with a temperature regulation system and is designed to maximise stratification in the storage tank. The solar regulation control unit is also pre-wired and positioned on board.**

KSF-P26
High efficiency 2.62 m² large surface flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.



ULTRAFRESH PLUS 401														
ULTRAFRESH 401 accumulator with KSF-P26 flat collectors														
LITRES	Coll.	m²	Built-in Solar Station	DHW production module 20 l/min	Built-in Solar Control Unit	Temp. probes	Expan. vessel(l)	Shutoff fitting kit expansion vessel 3/4 M	Probe Holder Fitting	Thermostatic mixing valve 1"M 35 °/60 °C	Idra basic set	Idra plus set	Antifreeze (l)	COD.
401	2	5.24	•	•	•	3	24	1	2	1	1	1	30	1010213535

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK 45° FLAT ROOF PITCHED ROOF

2022 WORLD LAUNCH

SOLAR SYSTEMSDHW/HEATING INTEGRATION

SOLAR + KOPERNIKO

KOPERNIKO-S WITH ECLIPSE SYSTEM

KOPERNIKO S

ENERGY MODULE



The images are for illustrative purposes only. The products may undergo changes based on availability.

NEW ANTI-STAGNATION ECLIPSE SYSTEM

BOILER WARRANTY 5 YEARS

ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The first space-saving energy module for the combined production of DHW and integration in the heating system.

PLEION INNOVATION **KOPERNIKO-S with ECLIPSE SYSTEM**

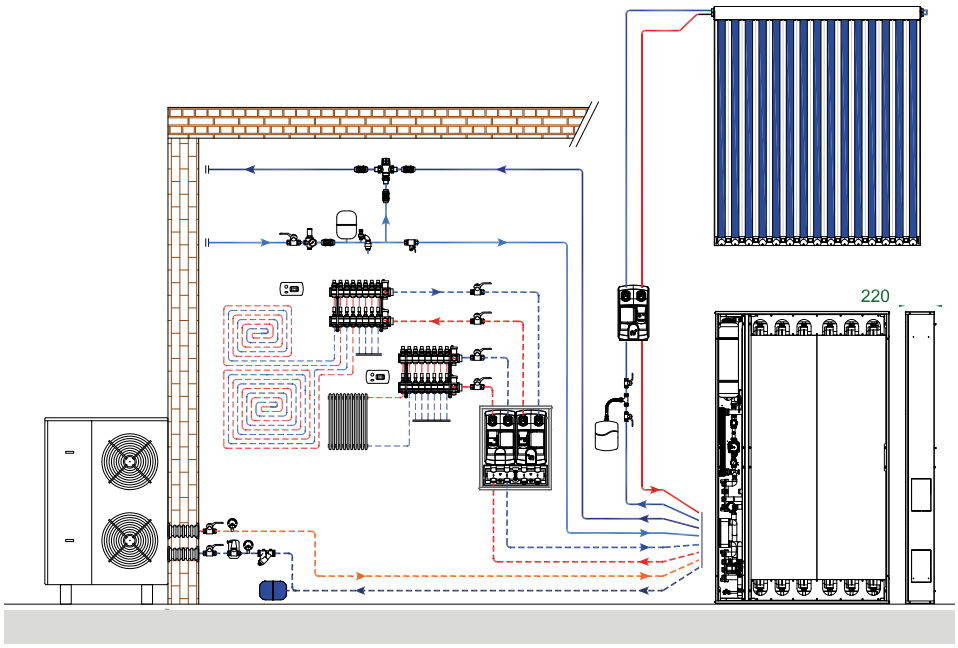
KOPERNIKO is an innovative technical accumulator with a 210l capacity combined with a domestic water module with stainless steel plate exchanger for the instantaneous production of domestic water, with a capacity of up to 20 l/min. Particularly indicated for combination with small heat pumps. The S version is also ready for connection with a thermal solar panel.

PLEION INNOVATION **ECLIPSE SYSTEM**

The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year. Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



KOPERNIKO-S ECLIPSE												
KOPERNIKO-S energy module with ECLIPSE SYSTEM Evacuated Collectors												
LITRES	Coll.	m²	PERS.	Solar Control unit TSCe	B13-7 Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Smart Controller	BASIC SET	Antifreeze (l)	COD.
200	1 (10R)	2.20	1-2	•	•	24	•	•	1	1	20	1010200110
200	1 (15R)	3.18	2-3	•	•	24	•	•	1	1	20	1010200115
200	1 (21R)	4.45	3-4	•	•	24	•	•	1	1	20	1010200121

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase;

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

AQUA FRESH RAY



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SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

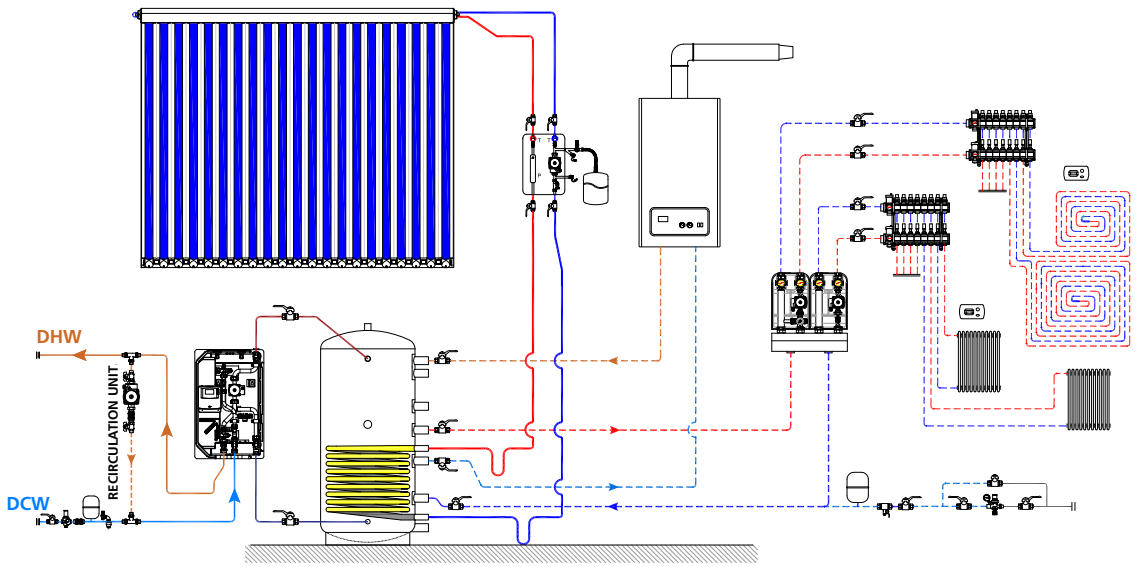
The solar solution to meet every need.
Evacuated collector with exclusive 3rd tube built in!

PR
Range of single-coil accumulators suitable for containing system technical water.
Suitable for integration of the heating system for environments and the production of domestic hot water via external module. The internal exchanger position on the lower part of the accumulator is designed to have the maximum exchange yield with both solar collectors and heat generators.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



AQUA FRESH RAY												
Solar Puffer PR accumulator with X-RAY R Evacuated Collectors												
LITRES	Coll.	m²	Solar Control Unit PB404	Solar Station B13-7 ECO	Expansion vessel (l)	Shutoff fitting 3/4" M	Temp. Probe	Domestic Water Module	BASIC SET	PLUS SET	Antifreeze (l)	COD.
500	2 (18R)	7.64	•	•	50	•	1	SAN-F30 T	1	1	40	1010213561
800	3 (18R)	11.46	•	•	80	•	1	SAN-F40	1	2	80	1010213581
1000	3 (21R)	13.35	•	•	100	•	1	SAN-F40	1	2	100	1010213501

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

AQUA FRESH PLUS



The images are for illustrative purposes only. The products may undergo changes based on availability.

SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

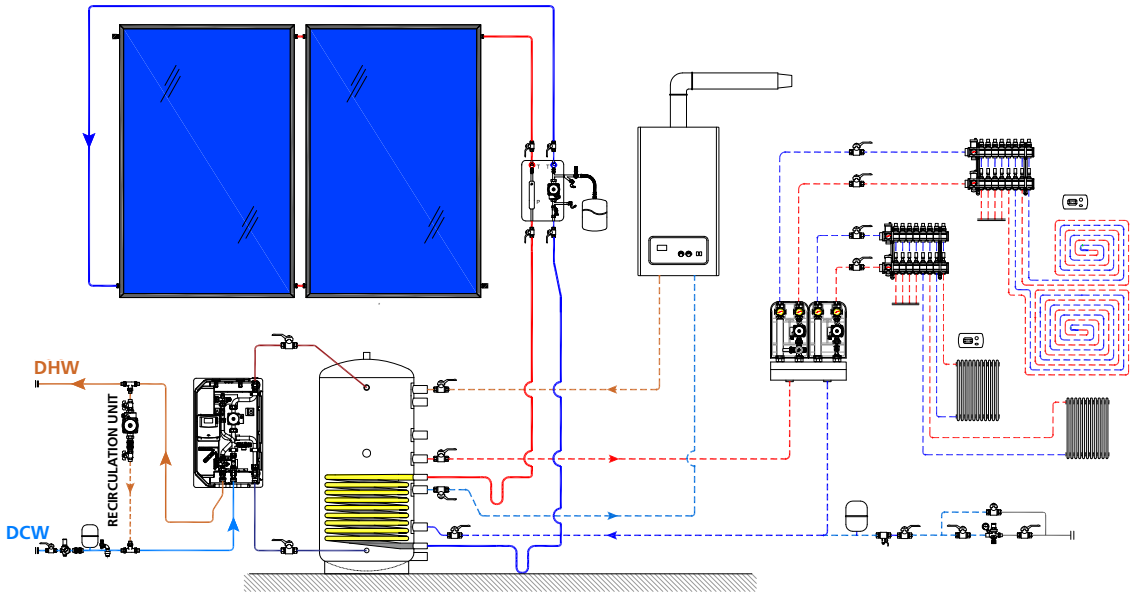
ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The solar solution to meet every need.
Flat, high efficiency collectors!

PR
Range of single-coil accumulators suitable for containing system technical water.
Suitable for integration of the heating system for environments and the production of domestic hot water via external module. The internal exchanger position on the lower part of the accumulator is designed to have the maximum exchange yield with both solar collectors and heat generators.

KSF-P26
High efficiency 2.62 m² large surface flat solar collector and 4 - 3/4" couplings for vertical and horizontal installation. Aluminium frame made up of welded profiles, aluminium absorber, internal copper circuitry. Anti-reflective highly transparent solar glass covering.



AQUA FRESH PLUS												
Solar Puffer PR Accumulator with KSF-P26 Flat Collectors												
LITRES	Coll.	m²	Solar Control Unit PB404	Solar Station B13-7 ECO	Expansion vessel (l)	Shutoff fitting 3/4" M	Temp. Probe	Domestic Water Module	BASIC SET	PLUS SET	Antifreeze (l)	COD.
500	3	7.86	•	•	50	•	1	SAN-F30 T	1	2	40	1010213551
800	5	13.1	•	•	80	•	1	SAN-F40	1	4	80	1010213571
1000	6	15.72	•	•	100	•	1	SAN-F40	1	5	100	1010213591

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

ECO DUO ECLIPSE

ECO DUO



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SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The complete solar solution for all homes.
Evacuated ANTI-STAGNATION collector!

PLEION INNOVATION **ECO DUO ECLIPSE SYSTEMS**

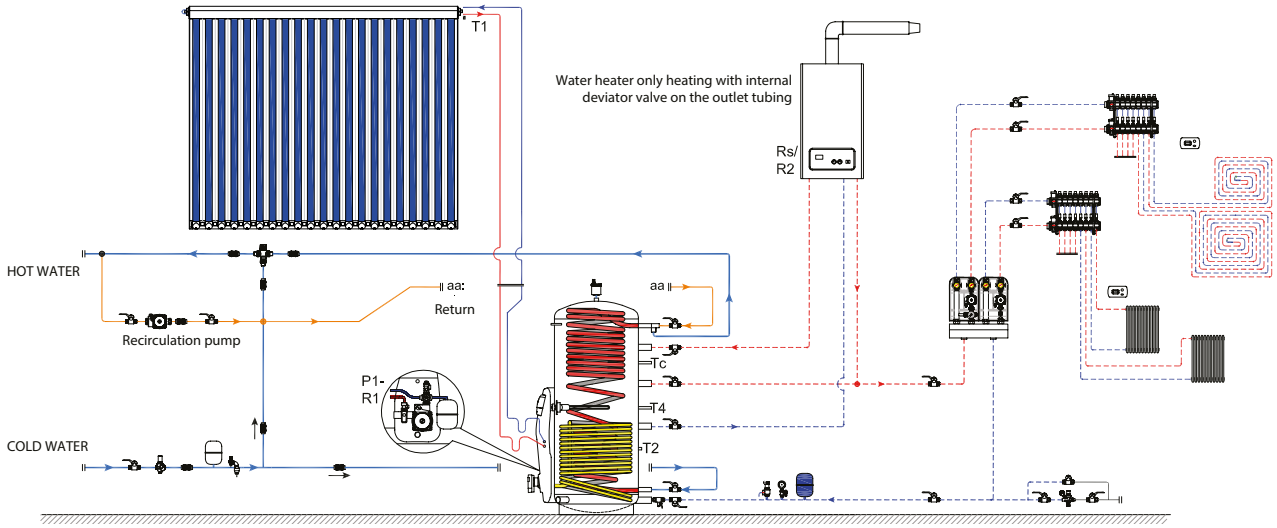
Compact revolutionary system made up of a 600-800-1000 litre thermal flywheel with an internal solar exchanger positioned at the bottom and a corrugated stainless steel coil placed centrally extending from the bottom to the top of the entire storage tank suitable for the instantaneous production of domestic hot water. Accumulator that includes a solar station and electronic control unit to manage the entire system including the boiler-fireplace integration energy source.

PLEION INNOVATION **ECLIPSE SYSTEM**

The first evacuated tube collector in the world with the revolutionary smart system for automatic shading that controls and maintains the solar system in perfect efficiency throughout the entire year. Equipped with reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
1 Smart Controller manages up to 2 ECLIPSE SYSTEM collectors

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



Eco DUO ECLIPSE

Eco DUO accumulator with ECLIPSE SYSTEM Evacuated Collectors

LITRES	Coll.	m²	Solar Control unit PB404	Built-in Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe Holder Fitting	Thermostatic mixing valve		Smart Controller	BASIC SET	PLUS SET	Antifreeze (l)	COD.
								3/4"M 35°/55°C	1" 30 °/65 °C					
600	2 (21R)	8.90	•	•	50	•	2	•	-	1	1	1	40	1010216002
800	3 (21R)	13.35	•	•	80	•	2	-	•	2	1	2	60	1010218002
1000	4 (21R)	17.80	•	•	100	•	2	-	•	2	1	3	80	1010211002

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

ECO DUO RAY



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SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

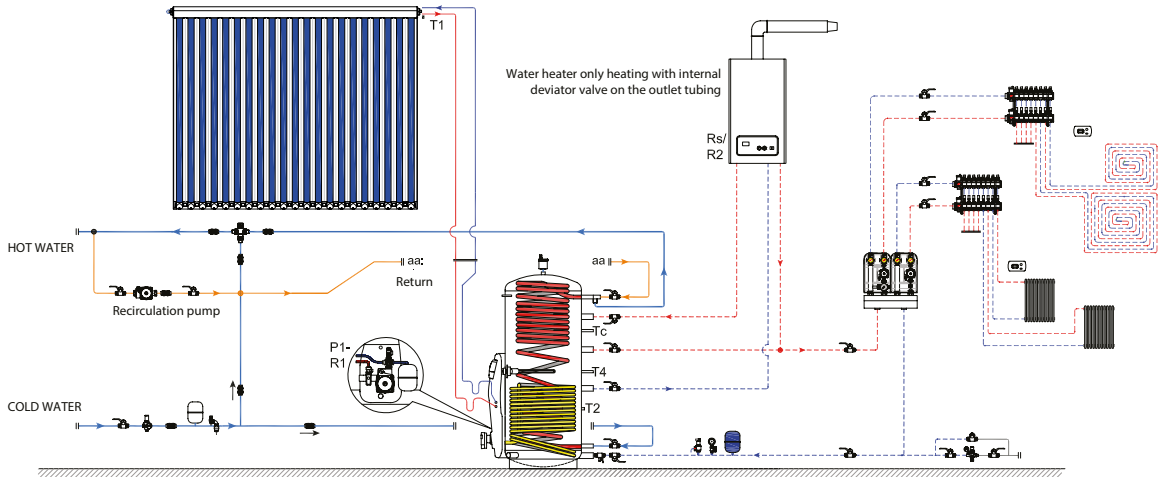
The complete solar solution for all homes.
Evacuated collector with exclusive built-in 3rd tube!

ECO DUO SYSTEMS
Compact revolutionary system made up of a 600-800-1000 litre thermal flywheel with an internal solar exchanger positioned at the bottom and a corrugated stainless steel coil placed centrally extending from the bottom to the top of the entire storage tank suitable for the instantaneous production of domestic hot water. Accumulator that includes a solar station and electronic control unit to manage the entire system including the boiler-fireplace integration energy source.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

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ECO DUO RAY														
ECO DUO BOILER with X-RAY R evacuated collectors														
LITRES	Coll.	m²	Basic Set Connect.	Basic Set Connect.	Built-in Solar Station	PB404 Solar Control Unit	Temp. probes	Expan. vessel(l)	3/4" Shutoff Fitting	Probe Holder Fitting	Thermostatic mixing valve		Antifreeze (l)	COD.
											3/4" M 35 °/55 °C	1"M 30 °/65 °C		
600	2 (21R)	8.90	1	1	•	•	1	80	•	2	•	-	30	1010216001
800	3 (18R)	11.46	1	2	•	•	1	100	•	2	-	•	60	1010218001
1000	4 (21R)	17.80	1	3	•	•	1	100	•	2	-	•	80	1010211001

CHOOSE THE MOUNTING SYSTEM ON PAGE 86

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK Fraunhofer 45° FLAT ROOF PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

SMART HR RAY



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SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

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ACTIVATE THE WARRANTY ONLINE!

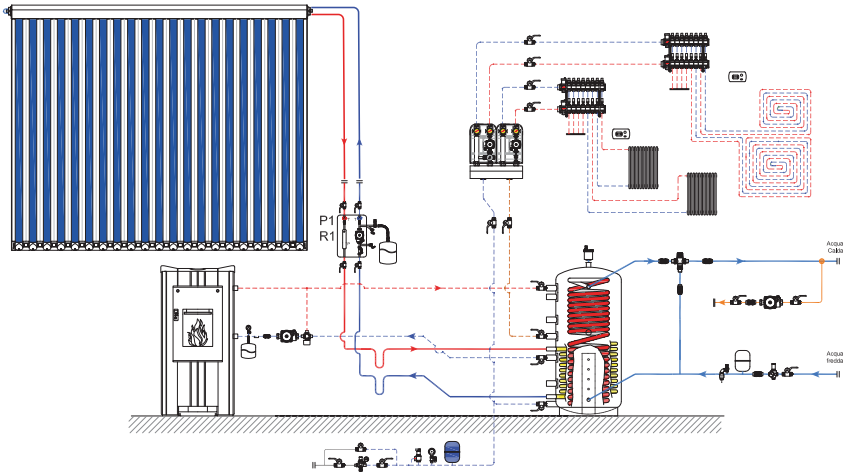
The complete solar solution for medium-large domestic water consumption. Evacuated collector with exclusive built-in 3rd tube!

HR
Range of internal double coil accumulators suitable for heating environments and the production of domestic hot water for domestic and residential buildings. The accumulator is suitable for containing hot technical water. The lower coil is designed to have the maximum exchange yield with solar collectors. The production of hot water is instantaneous due to the internal corrugated stainless steel coil throughout the entire accumulator volume.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

***+15% efficiency connected in parallel. TEST CARRIED OUT AT THE CIRPS INTER-UNIVERSITY RESEARCH CENTRE FOR SUSTAINABLE DEVELOPMENT.**



SMART HR RAY														
HR with X-RAY R evacuated collectors														
LITRES	Coll.	m²	PERS.	PB404 Solar Control Unit	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Temp. probes	Thermostatic mixing valve 35°/55°C	BASIC Set	PLUS set	Antifreeze (l)	COD.
500	2 (21R)	8.90	4-5	•	M12-7 ECO	50	•	1	1	3/4"	1	1	40	1020405101
500	3 (18R)	11.46	4-5	•	M12-7 ECO	100	•	1	1	3/4"	1	2	60	1020408051
800	3 (18R)	11.46	5-7	•	M12-7 ECO	100	•	1	1	3/4"	1	2	80	1020408041
1000	4 (21R)	17.80	7-10	•	M12-7 ECO	150	-	1	1	1"	1	3	80	1020401101

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES
1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

SMART HR



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SOLAR COLLECTOR WARRANTY 5+5 YEARS
*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

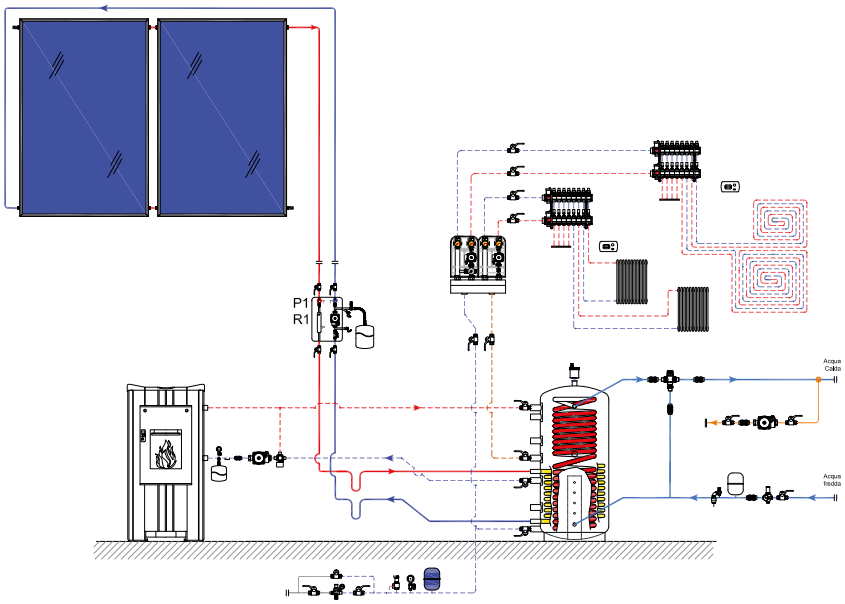
ErP READY
APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

ACTIVATE THE WARRANTY ONLINE!

The complete solar solution for medium-large domestic water consumption.
Flat, high efficiency collectors!

HR
Range of internal double coil accumulators suitable for heating environments and the production of domestic hot water for domestic and residential buildings. The accumulator is suitable for containing hot technical water. The lower coil is designed to have the maximum exchange yield with solar collectors. The production of hot water is instantaneous due to the internal corrugated stainless steel coil throughout the entire accumulator volume.

KSF-D25
The KSF-D25 collector is particularly robust, thanks to the reinforced and welded aluminium profile frame and the 4 mm thick glass. It is also easy to install and connect thanks to the 22 mm diameter copper hose connections. Cover with 4.0 mm tempered anti-reflective glass, with high transparency, to ensure maximum light transmission, capable of capturing as much energy as possible as well as being internally treated to be able to internally reflect the infra-red rays generated by the absorber, thus retaining the heat otherwise emitted externally by means of the heated glass.



SMART HR

HR with KSF-D25 Flat Collectors

LITRES	Coll.	m2	PERS.	PB404 Solar Control Unit	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Thermostatic mixing valve 3/4" 35°/55°C	Idra basic set	Idra plus set	Antifreeze (l)	COD.
500	3	7,56	4-5	•	•	35	•	1	•	1	2	30	1020405001
800	5	12,60	5-7	•	•	80	•	1	•	1	4	50	1020408001
1000	6	15,12	7-10	•	•	100	•	1	•	1	5	60	1020401001

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK

45° FLAT ROOF

PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

SMART HRR RAY



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*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

TUBE WARRANTY 10 YEARS
HAIL PROTECTION

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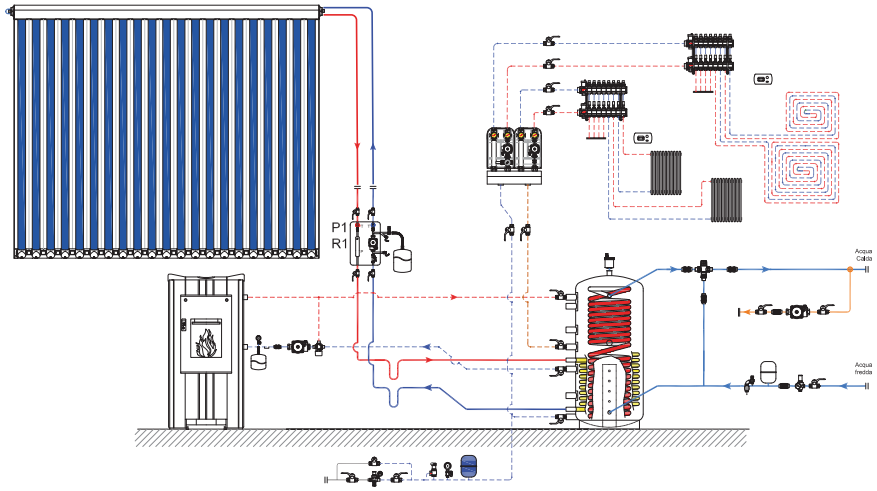
The solar system for several energy sources.
Evacuated collector with exclusive built-in 3rd tube!

HRR
Range of internal triple coil accumulators suitable for heating environments and the production of domestic hot water for domestic and residential buildings. Ideal for connection with several energy sources (gas/biomass water heater and solar thermal) for integration with underfloor heating systems. The production of domestic hot water is instantaneous due to the internal corrugated stainless steel coil throughout the entire accumulator volume.

X-RAY R
High performance solar collectors made up of 15/18/21 evacuated tubes, CPC parabolic reflector, and reversible hydraulic circuitry equipped with 3 internal tubes with 3 - ¾"M couplings.
The ideal collector for maximum winter efficiency.
Aluminium Frame.

SAPIENZA UNIVERSITÀ DI ROMA

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SMART HRR RAY														
HRR with X-RAY R evacuated collectors														
LITRES	Coll.	m²	PERS.	PB404 Solar Control Unit	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Temp. Probe	Thermostatic mixing valve	Idra Basic set	Idra Plus set	Antifreeze (l)	COD.
500	2 (21R)	8.90	4-5	•	•	80	•	2	1	3/4" 35 °/55 °C	1	1	30	1020405002
500	3 (18R)	11.46	6-7	•	•	100	•	2	1	3/4" 35 °/55 °C	1	2	60	1020405003
800	3 (18R)	11.46	7-8	•	•	100	•	2	1	1" 30 °/65 °C	1	2	60	1020408003
1000	4 (21R)	17.80	8-10	•	•	100	•	2	1	1" 30 °/65 °C	1	3	80	1020401004

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES
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SOLAR KEYMARK
45° FLAT ROOF
PITCHED ROOF

SOLAR SYSTEMS DHW/HEATING INTEGRATION

SOLAR + WATER HEATER / BIOMASS

SMART HRR



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*EXTENDED WARRANTY

BOILER WARRANTY 5 YEARS

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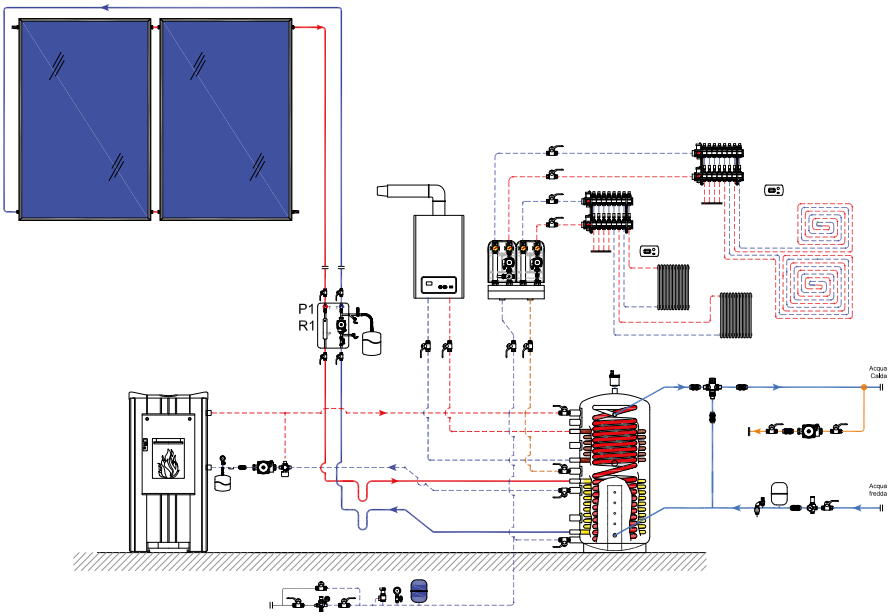
The solar system for several energy sources.
Flat, high efficiency collectors!

HRR

Range of internal triple coil accumulators suitable for heating environments and the production of domestic hot water for domestic and residential buildings. Ideal for connection with several energy sources (gas/biomass water heater and solar thermal) for integration with underfloor heating systems. The production of domestic hot water is instantaneous due to the internal corrugated stainless steel coil throughout the entire accumulator volume.

KSF-D25

The KSF-D25 collector is particularly robust, thanks to the reinforced and welded aluminium profile frame and the 4 mm thick glass. It is also easy to install and connect thanks to the 22 mm diameter copper hose connections. Cover with 4.0 mm tempered anti-reflective glass, with high transparency, to ensure maximum light transmission, capable of capturing as much energy as possible as well as being internally treated to be able to internally reflect the infra-red rays generated by the absorber, thus retaining the heat otherwise emitted externally by means of the heated glass.



SMART HRR													
HRR with KSF-D25 Flat Collectors													
LITRES	Coll.	m2	PERS.	PB404 Solar Control Unit	Solar Station	Expansion vessel (l)	Shutoff fitting 3/4" M	Probe holder fitting	Thermostatic mixing valve 3/4" 35°/55°C	Idra Basic set	Idra Plus set	Antifreeze (l)	COD.
500	3	7,56	4-5	•	•	30	•	1	•	1	2	30	1020405061
800	5	12,60	6-7	•	•	80	•	1	•	1	4	50	1020408021
1000	6	15,12	7-10	•	•	100	•	1	•	1	5	60	1020401021

CHOOSE THE MOUNTING SYSTEM ON PAGE 82

NOTES

1. The components of each solar system must be verified during the design phase.

SOLAR KEYMARK

45° FLAT ROOF

PITCHED ROOF

X-RAY-R BEFESTIGUNGSSYSTEME

X-RAY 10R MOUNTING SYSTEM

IMPORTANT
ONE MOUNTING SET PER COLLECTOR

ROOF			DESCRIPTION	ART. NR.
PITCHED ROOF BRICK, SHINGLE, SLATE, ETC.	HOOK		X-RAY 10R MOUNTING KIT	1030909871
	SCREW		X-RAY 10R MOUNTING KIT	1030909991
30° FLAT ROOF	TRIANGLE SYSTEM		X-RAY 10R MOUNTING KIT	1030909952

X-RAY 15R MOUNTING SYSTEM

IMPORTANT
ONE MOUNTING SET PER COLLECTOR

ROOF			DESCRIPTION	ART. NR.
PITCHED ROOF BRICK, SHINGLE, SLATE, ETC.	HOOK		X-RAY 15R MOUNTING KIT	1030908651
	SCREW		X-RAY 15R MOUNTING KIT	1030908781
30° FLAT ROOF	TRIANGLE SYSTEM		X-RAY 15R MOUNTING KIT	1030908851

X-RAY 18R MOUNTING SYSTEM

IMPORTANT
ONE MOUNTING SET PER COLLECTOR

ROOF			DESCRIPTION	ART. NR.
PITCHED ROOF BRICK, SHINGLE, SLATE, ETC.	HOOK		X-RAY 18R MOUNTING KIT	1030908911
	SCREW		X-RAY 18R MOUNTING KIT	1030909101
30° FLAT ROOF	TRIANGLE SYSTEM		X-RAY 18R MOUNTING KIT	1030909141

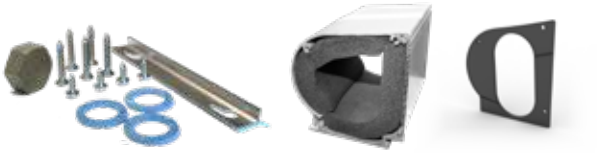
*All prices include statutory VAT

X-RAY 21R MOUNTING SYSTEM

IMPORTANT
ONE MOUNTING SET PER COLLECTOR

ROOF			DESCRIPTION	ART. NR.
PITCHED ROOF BRICK, SHINGLE, SLATE, ETC.	HOOK		X-RAY 21R MOUNTING KIT	1030908341
	SCREW		X-RAY 21R MOUNTING KIT	1030908421
30° FLAT ROOF	TRIANGLE SYSTEM		X-RAY 21R MOUNTING KIT	1030908461

X-RAY R Hydraulik-Sets

DESCRIPTION			ART. NR.
HYDRAULIC CONNECTION SET (A) One per row of collectors, with protective case for thermal insulation	X-RAY R		1010100003
HYDRAULIC EXPANSION SET (B) For each additional collector, with protective case for thermal insulation	X-RAY R		1030908532
BASIC HYDRAULIC SET (C) One per row of collectors, with protective case for thermal insulation	X-RAY R		1030908512

*All prices include statutory VAT

FASTENINGS

FOR FLAT COLLECTORS KSF-P26/KSF-M25 / KSF-D25

FLAT COLLECTOR FASTENING SYSTEMS KSF-P26 / KSF-M25 / KSF-D25

ATTENTION ACCESSORY COMPONENTS TO BE ORDERED SEPARATELY

ROOF	COVER	FASTENING SET	COD.
SLOPING ROOF	SCREW SYSTEMS	BASE FASTENING SET P26/M25/D25	1030906972
		PLUS FASTENING SET VI P26/M25/D25	1030906973
	CORRUGATED SHEET METAL	VERTICAL EXTENSION KIT 1 COLLECTOR VI KSF-P26/ KSF-M25	1030906983
		HORIZONTAL BASE - 1 COLLECTOR VI KSF-P26	1030906984
	CRIMPED SHEET MET-AL	BASE FASTENING SET LA P26/M25/D25	1030906985
		PLUS FASTENING SET LA P26/M25/D25	1030906986
	HOOK SYSTEM	BASE FASTENING SET GI-T P26/M25/D25	1030906974
		PLUS FASTENING SET GI-T P26/M25/D25	1030906975
		BASE FASTENING SET GI-C P26/M25/D25	1030906976
		PLUS FASTENING SET GI-C P26/M25/D25	1030906977
	RECESSED	BASE REC. NEW SET 1 COLL. KSF-P26	1030909032
		EXT. REC. NEW SET 1 COLL. KSF-P26	1030909033
FLAT ROOF (inclination 25-45°)	TRIANGLE SYSTEM V	BASE FASTENING SET TP P26/M25/D25	1030906978
		PLUS FASTENING SET TP P26/M25/D25	1030906979

FLAT COLLECTOR FASTENING SYSTEMS UNIKO-P21

ATTENTION ACCESSORY COMPONENTS TO BE ORDERED SEPARATELY

ROOF	COVER	FASTENING SET	COD.
SLOPING ROOF	SCREW SYSTEMS	VERTICAL BASE - 1 COLLECTOR VI UNIKO-P21	1030907581
		VERTICAL BASE - 2 COLLECTORS VI UNIKO-P21	1030907601
		VERTICAL EXTENSION KIT - 1 COLLECTOR VI UNIKO-P21	1030907591
		HORIZONTAL BASE - 1 COLLECTOR VI UNIKO-P21	1030907771
		HORIZONTAL EXTENSION KIT - 1 COLLECTOR VI UNIKO-P21	1030907801
	HOOK SYSTEM	VERTICAL BASE - 1 COLLECTOR GI UNIKO-P21	1030907731
		VERTICAL BASE - 2 COLLECTORS GI UNIKO-P21	1030907721
		VERTICAL EXTENSION KIT - 1 COLLECTOR GI UNIKO-P21	1030907741
		HORIZONTAL BASE - 1 COLLECTOR GI UNIKO-P21	1030907811
		HORIZONTAL EXTENSION KIT - 1 COLLECTOR GI UNIKO-P21	1030907821
	RECESSED	BASE REC. NEW SET 1 COLL. UNIKO P21	1030909034
		EXT. REC. NEW SET 1 COLL. UNIKO P21	1030909035
FLAT ROOF	TRIANGLE SYSTEM	VERTICAL BASE - 1 COLLECTOR TP UNIKO-P21	1030907611
		VERTICAL BASE - 2 COLLECTORS TP UNIKO-P21	1030907631
		VERTICAL EXTENSION KIT - 1 COLLECTOR TP UNIKO-P21	1030907621
		HORIZONTAL BASE - 1 COLLECTOR TP UNIKO-P21	1030907651
		HORIZONTAL EXTENSION KIT - 1 COLLECTOR TP UNIKO-P21	1030907751

START-UP SERVICE

The first start-up service is performed, by appointment, by a Pleion technical assistance centre (TAC).

WHAT DOES IT **INVOLVE?**

- **Checking** of the hydraulic connections
- **Checking** of the electrical wiring
- **Loading** of the solar circuit, **operation** of the system parts
- **Setting** of the control
- **Pre-loading verification** of expansion vessel
- **Verification** of proper operation of the organs of the plant

WHEN IS IT **FREE?**

The service is performed by **PLEION EXCLUSIVELY** for the **following families** of solar systems:



- ULTRAFRESH 401
- ULTRADUO 401



- ECO COMPACT
- ECO COMPACT HPS



- ECO FRESH



- ECO DUO

WHEN IS THE **SERVICE CHARGED FOR?**

A. The service is **chargeable** for all systems **excluded** from the families indicated **above**.

B. The service **can be purchased separately** (see table below) with the order of at least **one Pleion product** (e.g. solar control unit); it can therefore also be used where the system includes components of other brands.

CODICE	INTERVENTO	TARIFFA NON SCONTABILE	NOTE
AC01	Telephonic start-up of the solar control unit - **NEW FOR 2023**	40,00 €	Prior reservation at https://pleion.it/it/avienamento-centralina
AS05	Start-up of solar system up to 5 collectors	100,00 €	Including loading, venting and pressurising of the solar circuit
AS10	Start-up of solar system from 6 to 10 collectors	180,00 €	
AS20	Start-up of solar system from 11 to 20 collectors	300,00 €	
AS21	Additional collector starting from the 21st	12,00 €	
ASAN1	Single SAN module start-up	70,00 €	All SAN F Models
ASANC	Cascading SAN module system start-up	120,00 €	Regardless of the number of modules connected in cascade
AR01	Radiant system 1 collector	100,00 €	
AR02	Collectors radiant system after the first	75,00 €	

N.B. When starting the system, the presence of the electrical and hydraulic installer is highly recommended.

SOME EXAMPLES:

In the case of a system with 25 collectors, the offer will include:
no. 1 x AS20 Start-up of solar system from 11 to 20 collectors €300.00
no. 5 x AS21 Additional collector start-up from the 21st each €12.00, total €60.00

In the case of a radiant system with 3 collectors, the offer will include:
no.1 x AR01 Radiant system 1 collector €100.00
no.2 x AR02 Radiant collector systems after the first, each €75.00, total €150.00.

The first PLEION start-up service does not include the creation of hydraulic or electrical connections unless previously agreed with the reference PLEION personnel. PLEION will be responsible for verifying the correct functioning of its components present in the system; components such as heat generators, loading units and other elements, not supplied by PLEION, can still be verified on request as far as possible.

ACTIVATE THE ONLINE WARRANTY!

Pleion offers free to the consumer (buyer/user): a 5-year Conventional Warranty.

For activation, the user, within 15 days of the FIRST commissioning of the product, must visit **www.pleion.it/it/garanzia** and follow the instructions to understand the terms and methods of activation of the Conventional Warranty.

SALES CONDITIONS

1. APPLICATION
The following General Sales Conditions apply to all Sales Contracts in force between the seller (hereinafter also referred to as Pleion Spa) and the purchaser (hereinafter also referred to as Customer). These conditions are considered to be fully accepted and approved by the Customer when the order is placed.

2. ORDERS
The descriptions, photographs, characteristics, and prices contained in the Pleion Spa catalogue and in other Pleion Spa documentation are for informational purposes only. Pleion Spa reserves the right to change all or part of the aforementioned information and the related products at any time and without prior notice. Customer orders will be considered definitively placed, subject to requests for changes or cancellations made by the Customer within 24 hours of being received by Pleion Spa.

3. PRICES
The sales prices are those indicated in the sales documentation, unless updated to those currently in force on the date of delivery. Prices are ex-office Pleion S.p.a. for products packaged according to standard internal procedures, are net of additional transport charges and other expenses related to the processing of the order and are exclusive of VAT.

4. DELIVERIES
The terms of delivery are indicative and in no case may constitute a motive for cancellation of all or part of the order placed by the Customer. In no case is Pleion Spa responsible for reimbursement of direct or indirect damages due to delivery delays or total or partial interruption of the supply.

5. TRANSPORT
If, at the time of delivery, the customer or person receiving the goods on their behalf discovers a defect or deficiency in the packaging or in the goods received, he or she must make a written notice on the shipper's transport slip and, at the same time, notify Pleion Spa in writing. Any damages or losses related to the transported goods are the Customer's responsibility as it is travelling at the Customer's risk, even if sold postage paid, unless otherwise agreed in writing.

6. CLAIMS
The Customer must submit any complaints to Pleion S.p.a. within eight days of the arrival of the goods. The customer, who has made complaints or brought disputes is under no circumstances entitled to delay or suspend payments for supplies to Pleion S.p.a.

Notwithstanding the provisions of article 134 of the Consumer Code, the non-consumer Buyer may exercise the right of recourse against the Seller, under penalty of forfeiture, only within two years of delivery of the Products to the same non-consumer Buyer.
Without prejudice to the rights provided for by consumer law, the Seller guarantees the quality of the Products for a certain period after delivery, excluding those defects that may occur due to transport, improper use or inadequate storage or maintenance of the Products. Any claim relating to defects or faults concerning the Products must be sent to the Seller by registered letter with return receipt or certified e-mail strictly within eight days of delivery in the case of obvious defects and within eight days of discovery in the case of hidden defects, in any case within 1 year of delivery, under penalty of forfeiture. Returns will not be accepted unless previously authorised in writing by the Seller; the latter will examine the returns to verify that the defect exists and is attributable to its own responsibility and only in this case will it replace and/or repair the Products recognised as defective. Any other warranty, even by law, must be considered excluded and replaced by these Terms and Conditions.

7. PAYMENT
All payments must be made, in the agreed currency, at the domicile of Pleion S.p.a. In the event of deferred payment, failure to comply with a deadline will result in forfeiture of the deadline itself,the immediate payability of the entire remaining amount and the application of default interests to the extent imposed by law. Payments are due within the agreed deadlines even in the event of delays in the delivery of the goods, total or partial failures and losses during the transportation and/or storage phases. This also applies when the Customer does not collect the goods made available to them by Pleion S.p.a.

8. RETENTION OF OWNERSHIP
The goods are sold subject to retention of ownership Italian Civil Code Art. 1523 et seq) and therefore remain the property of Pleion Spa until full payment of the price.

9. TERMINATION AND/OR SUSPENSION OF ORDERS
Pleion Spa has the right to suspend further deliveries in the event of the following:
- failure to comply in all or in part of even one of these sales conditions;
- change in the Customer's company and/or its commercial capabilities.

10. RESPONSIBILITY
Pleion Spa will not be responsible for damages or injuries to animals or people resulting from products being installed properly or contrary to the indications in the technical manuals/instructions provided to the Customer.

11. FORCE MAJEURE CLAUSE
The performance terms written in our offers/acceptances are not binding on Pleion Spa and are automatically suspended in the event of strikes, fires, floods, and other force majeure causes.

12. NOTICE IN ACCORDANCE WITH ART. 13 OF ITALIAN LEGISLATIVE DECREE No. 196 OF 30 JUNE 2003
CODE FOR THE PROTECTION OF PERSONAL DATA

12.1. The personal data collected by Pleion Spa may be processed either in written form or by electronic means for legal and contractual requirements, any future promotional initiatives, through sending electronic and/or paper communications as well as to carry out market research and surveys.
12.2. Personal data may be communicated to credit institutions, credit collection agencies, credit insurance companies, commercial information companies, consultants and professionals, our network of agents and external technical assistants, factoring companies, purchasing groups, and companies to which Pleion Spa has requested or will request the creation of the promotional initiatives and or market research and surveys mentioned above.
12.3. Pursuant to Art. 7 of Italian Legislative Decree no. 196 of 30 June 2003, the customer has the right to obtain the following at any time: the updating, rectification or, when interested, the integration of the data; the erasure, the transformation in anonymous form or the blocking of data processed in violation of the law, including data for which conservation is unnecessary with regards to the purposes for which the data has been collected or subsequently handled; confirmation that the operations referred to above have been brought to the attention, including with regard to their content, of those to whom data have been communicated or disclosed, except in cases where it is impossible to fulfil this obligation or where the obligation leads to the use of resources manifestly disproportionate to the right protected.
12.4. Pursuant to Art. 7 of Italian Legislative Decree no. 196 of 30 June 2003, you have the right to oppose the processing of your personal data, in whole or in part, even if pertinent to the purpose for collection.
12.5. The Data Controller is Pleion Spa, the Privacy Officer, Pleion Spa, and their representatives are authorised to become knowledgeable of the data.

13. ITALIAN LAW AND COURT OF JURISDICTION
These general sales conditions and subsequent future contractual and supply relationships are governed by Italian law. The Court of Verona has jurisdiction over any dispute related or connected to these general sales conditions and subsequent future contractual and supply relationships, with Pleion Spa having the right to start proceedings in the court in the buyer's jurisdiction.

The Buyer _____ Pleion spa _____

The Buyer declares to expressly approve, pursuant to art. 1341 and 1342 of the Italian Civil Code, the following vexatious clauses: art. 6 complaints (time and form of the complaint – waiver of the recourse action) – art. 13 (Italian law and jurisdiction).

The Buyer _____

PLEION

The Solar that warms your LIFE!

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