

# **+PLEION**

SOLAR ENERGY SYSTEMS

## **X-RAY 10**



**MADE IN  
ITALY**



## **WINTER WON'T BE SO HARSH**

# **PLEION**

SOLAR ENERGY SYSTEMS

**3<sup>RD</sup> INTEGRATED TUBE**  
No tubes exposed on the roof

**PARALLEL  
CONNECTIONS  
UP TO 15%  
GREATER ENERGY  
OUTPUT**

**MAXIMUM YIELD  
IN WINTER**  
Perfectly functioning even when  
the temperature drops drastically

**MODERN DESIGN  
AND ABSOLUTELY  
EASY INSTALLATION**  
Assembly time reduced to the minimum





## EVACUATED SOLAR COLLECTOR **X-RAY 10**

**X-Ray 10** is the fruit of ITALIAN technology and design, research for materials and manufacturing processes. This Vacuum Tube Solar Collector was created to guarantee MAXIMUM WINTER OUTPUT and work perfectly even during the coldest months of the year.

**X-Ray 10** was designed to produce domestic hot water and as an integration to the home-heating system to allow users to make the most of both services, cutting down consumption costs and ensuring very high cost-effectiveness.

**X-Ray 10** is an innovative system of integrated plumbing:

- the THIRD TUBE in the collector head eliminates the traditional return group installed on the roof;
- the PARALLEL PLUMBING CONNECTION with up to 12 collectors per row, ensures up to 15% superior energy output.

**MADE IN  
ITALY**



# 3<sup>RD</sup> INTEGRATED TUBE

## INTEGRATED PLUMBING CONNECTIONS: THE TUBE VANISHES, AND PROGRESS TAKES OVER

No tubes are displayed on the roof: an integrated return line is installed in the collector-header



**UP TO 15%  
MORE  
IN ENERGY  
OUTPUT**

**WITH A PARALLEL PLUMBING  
CONNECTION  
(MAX OF 12 COLLECTORS PER ROW)**

**THE  
PLEION  
METHOD**

Gross surface area

**2,20 m<sup>2</sup>**

Absorption surface

**2,60 m<sup>2</sup> at 360°**

## X-RAY 10

Measurements (length x width x height)	mm	1975x1115x118
Gross surface area	m <sup>2</sup>	2.20
Aperture area	m <sup>2</sup>	1.92
Absorption surface 360°	m <sup>2</sup>	2.60
Weight when empty	kg	41.5
Fluid content	l	2.48
Max. running pressure	bar	10
Recommended capacity	l/min	1.0 (for collector)
Peak power	W	1271
Output $\eta_0$	%	66.2
Transmittance coefficient $a_1$	W/m <sup>2</sup> K	0.735
Transmittance coefficient $a_2$	W/m <sup>2</sup> K	0.0096
Absorption coefficient	%	≥93.5
Emission coefficient	%	≤6.50
Coefficient transfer of the glass	%	≥89.0
Connections	inch	6x3/4"
Stagnation temperature	°C	292

## PRICE LIST

### X-RAY 10 EVACUATED SOLAR COLLECTOR

**CODE:** 1010101021

**PRICE:** € 1.250,00

## USES



## WARRANTIES



Compliant with Finance Bill 2009

## CERTIFICATES





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# DOMO PREMIUM RAY SYSTEM

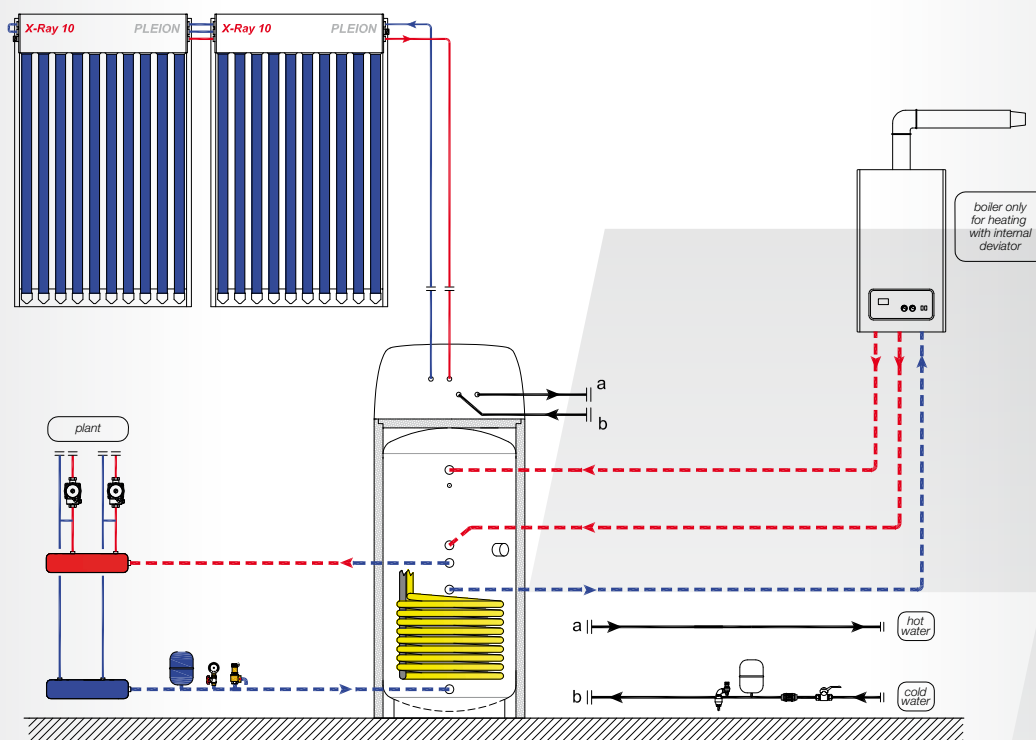
Solar system for the production of domestic hot water combined with heating system

## BENEFITS

- Production of instant domestic hot water and integrated heating system.
- Production of domestic hot water free from Legionella due to the instant heating principle.
- Innovative solar system.
- Hi-Tech furnishing design.
- Built-in "all.in-one" storage unit.
- Plug-In System.
- Constant ACS temperature.
- Easy installation.
- Reduced installation time and costs.

### DOMO PREMIUM RAY SYSTEM

No. of people	3-5
Gross total surface collectors (m <sup>2</sup> )	4,40
Number of collectors X-RAY 10	2
Domo Premium Boiler	350 litres
Solar station	WILO HU 25/6-1
Solar control unit	Prozeda Pico 600
Solar expansion tank	18 litres
Plate module	SAN 20
Set Base connection X-Ray 10	1 pc.
Set Plus connection X-Ray 10	1 pc.
Antifreeze solar fluid R100	10 litres



## WARRANTIES



Compliant with  
Finance Bill 2009

## PRICE LIST

**SISTEMA DOMO PREMIUM RAY 2**

**CODE:** 1010203502

**PRICE:** € 6.600,00

**SISTEMA DOMO PREMIUM RAY 3**

**CODE:** 1010203503

**PRICE:** € 7.850,00

## CERTIFICATES



# ANCHORING SYSTEMS

ACCESSORIES		CODE:		PRICE:
Tile-hook		Set Base	1030905141	€ 150,00
		Set Plus	1030905251	€ 120,00
Screws		Set Base	1030505281	€ 135,00
		Set Plus	1030905291	€ 110,00
Roof plane		Set Base	1030905301	€ 240,00
		Set Plus	1030905351	€ 160,00
Fret sheet		Set Base	1030905271	€ 145,00
		Set Plus	1030905311	€ 115,00
Seamed-sheet		Set Base	1030905321	€ 180,00
		Set Plus	1030905331	€ 135,00
Imbrex-hook		Set Base	1030905261	€ 145,00
		Set Plus	1030905341	€ 120,00

# PLUMBING CONNECTIONS

CONNECTIONS		CODE:		PRICE:
Plumbing connection Tichelmann X-Ray 10		Set Base	1030905091	€ 60,00
Plumbing connection Tichelmann X-Ray 10		Set Plus	1030905101	€ 60,00

# **+PLEION**

**SOLAR ENERGY SYSTEMS**

**WE WORK EACH DAY  
FOR NEW ENERGY.  
THIS IS INNOVATION,  
THIS IS PLEION.**

In Italy Pleion is a leader in Solar Heating. We study the best technological findings in this particular field to then deliver them in the hands of the best operators of the sector.

Pleion commits itself daily to transforming solar energy into heat energy, for the benefit of the domestic life of everyone.



**EVACUATED SOLAR HEATERS  
FLAT SOLAR HEATERS  
PHOTOVOLTAIC HEATERS  
ZERO-EMISSIONS SYSTEMS**

Your future, the future of energy and that of our company are one and the same. Pleion has no choice but work to make them, all together, always the best.



# **PLEION**

SOLAR ENERGY SYSTEMS

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