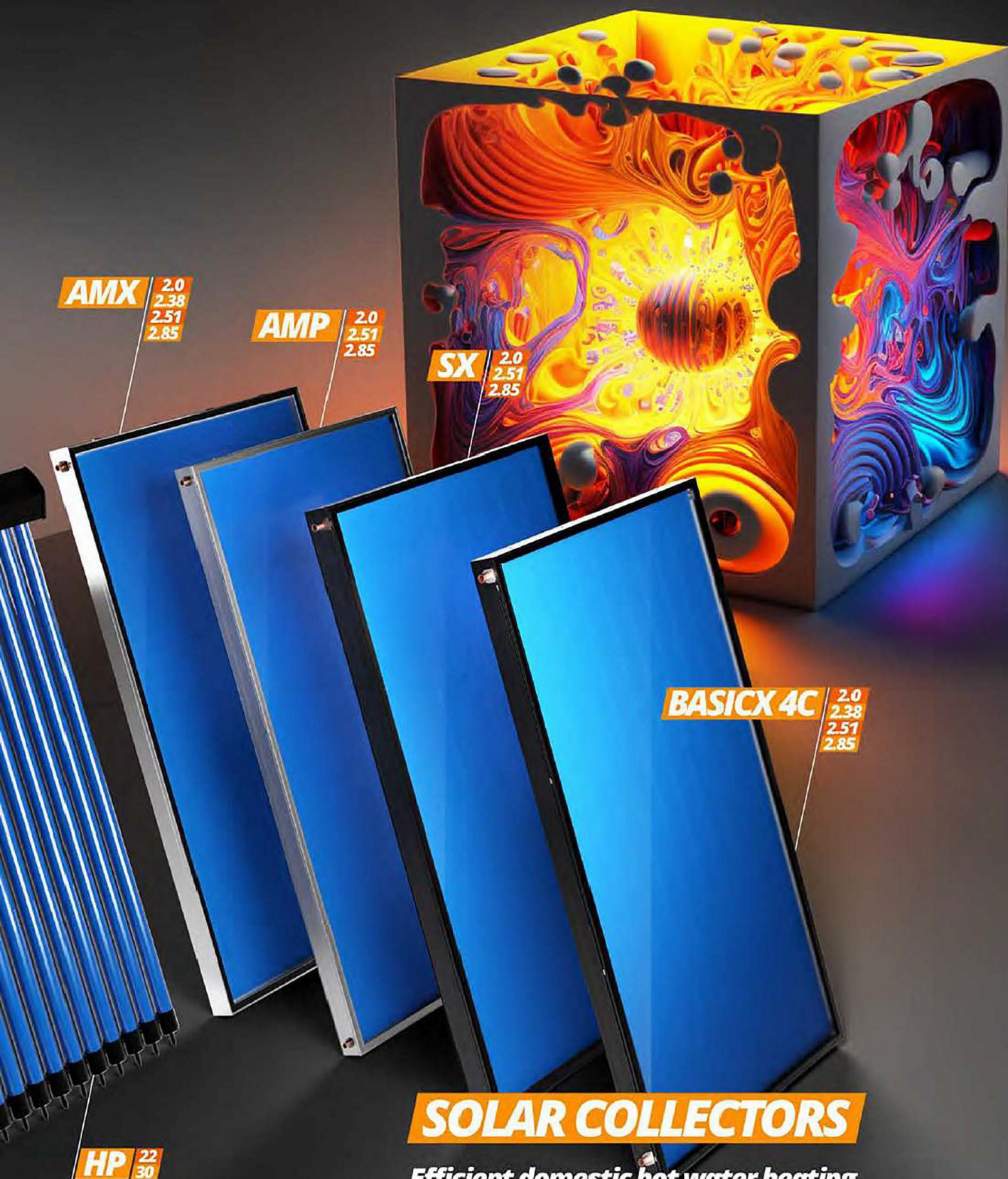


SUNTilan<sup>®</sup>  
Heating



## SOLAR COLLECTORS

*Efficient domestic hot water heating  
and central space heating support*



# Solar collectors

*from a Polish manufacturer  
in the renewable energy  
industry.*



**Warranty of quality** - solar collectors as well as other components of the system undergo strict factory production control.



**Maximum compatibility** with other components of the heating room.



*High* **precision**  
of each component



**Automated**  
manufacturing  
sequences



Highest **quality**  
materials



# Why **SUNTILAN®** *Heating* **collectors**



## **Unique** *design*

The natural colors of the collector housing and the dark blue-black shade of the solar absorber visible through the solar glass, refine the appearance of any roof.



**Fraunhofer**



## **Standards** *and tests*

SUNTILAN collectors have been tested at international and renowned research institutes and are on the BAFA list of subsidized products.



## **Possibility of installation** *on any roof*

Specially designed mounting sets, made of aluminum, ensure fast and safe installation of collectors on any roof with any covering.



## **High performance**

Excellent absorber and very good thermal insulation of SUNTILAN collectors makes them achieve very high efficiency in both summer and winter.



The background of the advertisement is a photograph of a modern house with a grey roof. Two blue solar collectors are mounted on the roof. A large glass sunroom is attached to the side of the house, and a grey outdoor heater is visible in the foreground. The text is overlaid on this image.

## **AMX**

SOLAR COLLECTORS

EXISTING

### **MAIN HEAT SOURCE**

By using two coils in the tank,  
it is possible to connect an already  
existing main heat source

[ HEAT PUMP ] [ GAS BOILER ] [ SOLID FUEL BOILER ] [ OIL BOILER ]

**Example of  
a heating room  
with SUN collectors**



**All equipment** from  
one manufacturer



**Factory integrated**  
system



**Full compatibility**  
- for efficient and  
trouble-free operation



**One equipment  
supplier** - faster  
and more efficient  
maintenance



**Wide product  
range** - flexible  
solutions for every  
installation





SOLAR CONTROLLER  
**LOGO PWM**

**HYDRA GPS**  
PUMP GROUP

**EXPANSION DIAPHRAGM VESSELS**

DHW-TANKS  
**FISH S2**

## Components of an exemplary solar set

SOLAR COLLECTORS  
**AMX**

Flat-solar collector with two connections and aluminum-copper absorber in double harp arrangement. Ensures maximum heat yield.

DHW-TANKS  
**FISH S2**

DHW tanks in a standing version for the preparation of domestic hot water. The internal surface of the tank is protected against corrosion by a layer of high-quality enamel and a magnesium anode.

PUMP GROUP  
**HYDRA GPS**

The pump group is equipped with an energy-saving electronic circulation pump. Ensures efficient and precise circulation of the heating medium.

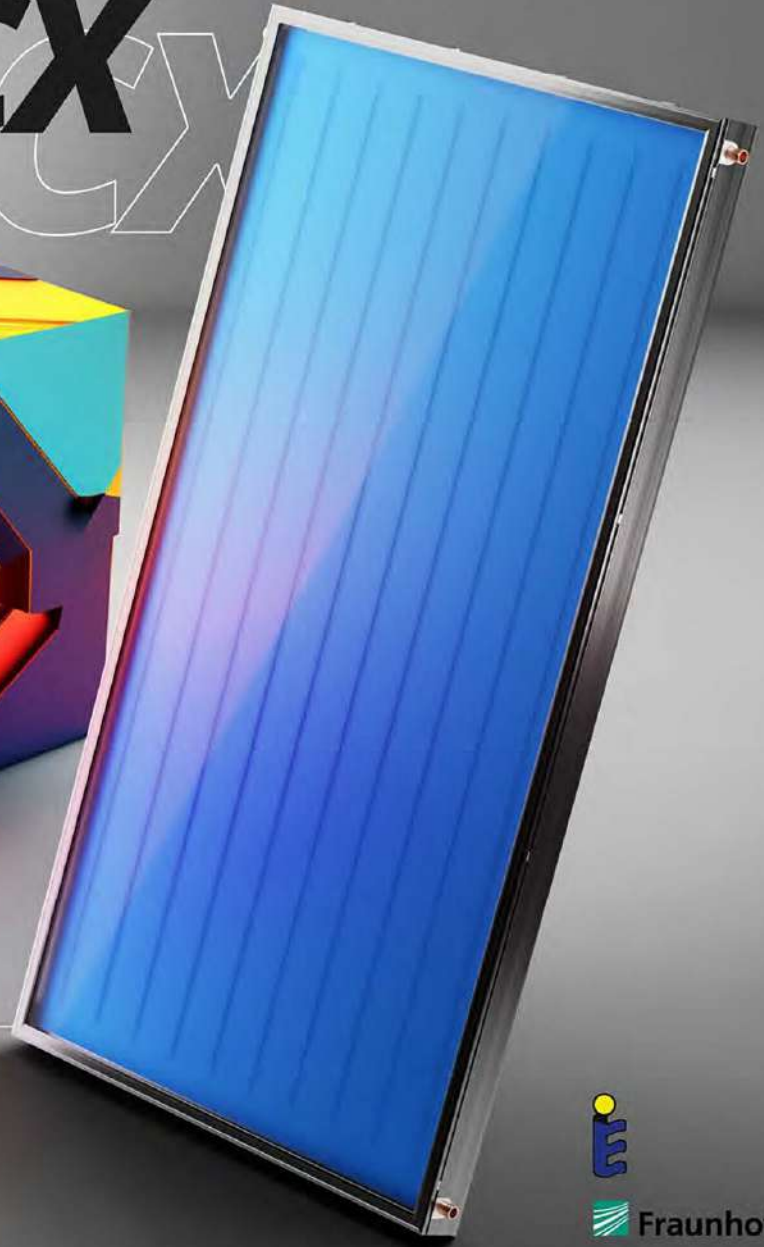
SOLAR CONTROLLER  
**LOGO PWM**

Controller that allows you to intuitively manage the installation and read all the parameters. A number of functions provide comfortable use.



# BASICX

FLAT-SOLAR COLLECTOR



Available **models**

**2.0** **2.38** **2.51** **2.85**



Fraunhofer

## Flat plate solar collectors BASICX 4C

BASICX solar collectors are high-efficiency flat plate collectors for domestic hot water and central heating support. They have four connections and a copper absorber with single harp. A distinctive feature of BASICX collectors is the additional side thermal insulation.

|                                       | BASICX<br>2.0 | BASICX<br>2.38 | BASICX<br>2.51 | BASICX<br>2.85 |
|---------------------------------------|---------------|----------------|----------------|----------------|
| Gross area (m <sup>2</sup> )          | 2,02          | 2,37           | 2,51           | 2,85           |
| Absorber area (m <sup>2</sup> )       | 1,83          | 2,19           | 2,32           | 2,63           |
| Dimensions (mm)                       | 1902x1063     | 2240x1060      | 2240x1120      | 2243x1272      |
| Height (mm)                           | 89            |                |                |                |
| Absorption                            | 0,95          |                |                |                |
| Emission                              | 0,05          |                |                |                |
| Transmission                          | 0,915         |                |                |                |
| Efficiency (%)                        | 77            |                |                |                |
| a1 (W/m <sup>2</sup> K)               | 3,49          |                |                |                |
| a2 (W/m <sup>2</sup> K <sup>2</sup> ) | 0,011         |                |                |                |



COPPER ABSORBER IN  
SINGLE HARP  
ARRANGEMENT



4 CONNECTIONS



PAINTED ALUMINUM  
FRAME, BENT FROM  
ONE PIECE

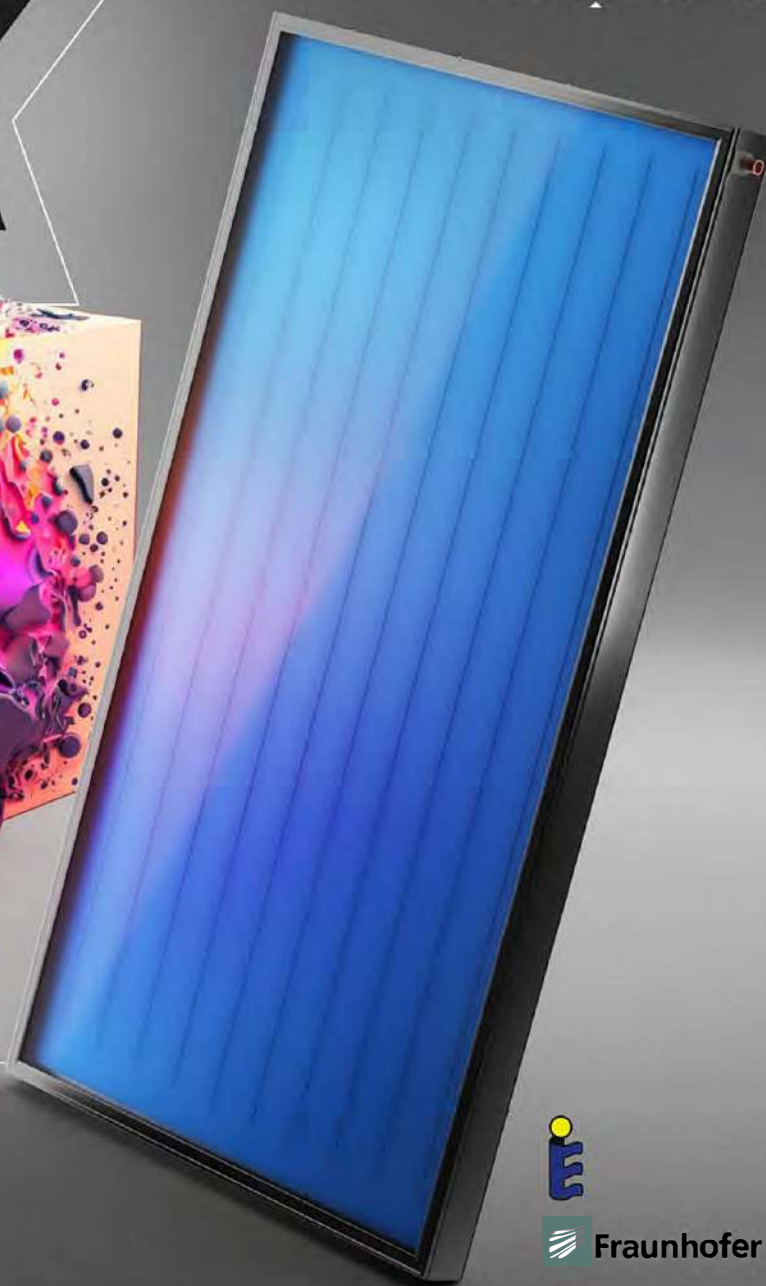


ADDITIONAL SIDE  
INSULATION





FLAT-SOLAR COLLECTOR



Available **models**

**2.0** **2.51** **2.85**



Fraunhofer

## SX flat plate solar collectors

SX solar collectors are high-efficiency flat plate collectors for domestic hot water preparation and central heating support. They have two connections and a copper absorber with a double harp. A distinctive feature of SX collectors is the additional side thermal insulation and the possibility of interior and exterior mounting.

|                                       | SX 2.0      | SX 2.51     | SX 2.85     |
|---------------------------------------|-------------|-------------|-------------|
| Gross area (m <sup>2</sup> )          | 2           | 2,51        | 2,85        |
| Absorber area (m <sup>2</sup> )       | 1,84        | 2,31        | 2,64        |
| Dimensions (mm)                       | 1902 x 1063 | 2240 x 1120 | 2241 x 1274 |
| Height (mm)                           | 100         |             |             |
| Absorption                            | 0,95        |             |             |
| Emission                              | 0,05        |             |             |
| Transmission                          | 0,905       |             |             |
| Efficiency (%)                        | 78          |             |             |
| a1 (W/m <sup>2</sup> K)               | 3,66        |             |             |
| a2 (W/m <sup>2</sup> K <sup>2</sup> ) | 0,009       |             |             |



COPPER ABSORBER IN  
DOUBLE HARP SYSTEM



2 CONNECTIONS



PAINTED ALUMINUM  
FRAME, BENT FROM A  
SINGLE SECTION



ADDITIONAL SIDE  
INSULATION

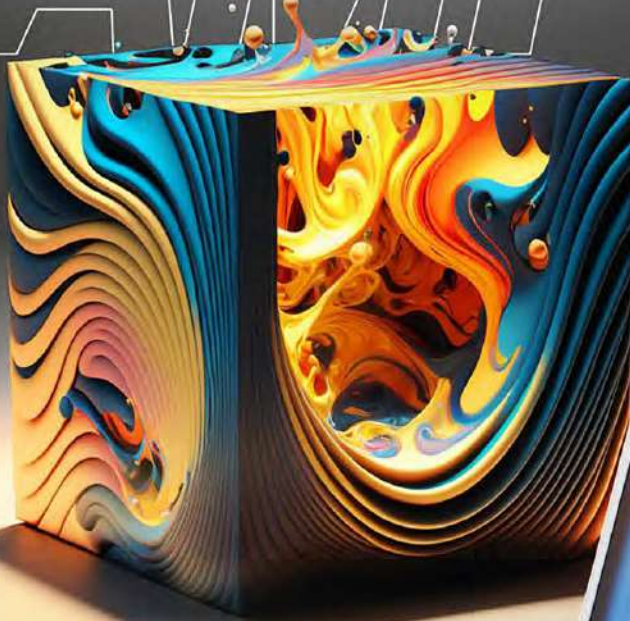


POSSIBILITY OF  
INSIDE-SLOPE  
INSTALLATION



# AMP

FLAT-SOLAR COLLECTOR



Available **models**

**2.0** **2.51** **2.85**



## AMP flat plate solar collectors

AMP solar collectors are high-efficiency flat plate collectors for domestic hot water preparation and central heating support. They have four connections and an aluminum-copper absorber with a single harp. A characteristic feature of AMP collectors is high-quality anti-reflective glass.

|                                       | AMP 2.0   | AMP 2.51  | AMP 2.85  |
|---------------------------------------|-----------|-----------|-----------|
| Gross area (m <sup>2</sup> )          | 2,01      | 2,5       | 2,84      |
| Absorber area (m <sup>2</sup> )       | 1,84      | 2,31      | 2,63      |
| Dimensions (mm)                       | 1900x1060 | 2240x1120 | 2240x1270 |
| Height (mm)                           | 99        |           |           |
| Absorption                            | 0,95      |           |           |
| Emission                              | 0,05      |           |           |
| Transmission                          | 0,95      |           |           |
| Efficiency (%)                        | 79,1      |           |           |
| a1 (W/m <sup>2</sup> K)               | 4,69      |           |           |
| a2 (W/m <sup>2</sup> K <sup>2</sup> ) | 0,002     |           |           |



**COPPER ABSORBER IN  
DOUBLE HARP SYSTEM**



**4 CONNECTIONS**



**ALUMINUM FRAME  
PAINTED, BENT FROM  
A SINGLE SECTION**



**ANTI-REFLECTIVE GLASS**



# AMX

FLAT-SOLAR COLLECTOR



Available **models**

**2.0 2.38 2.51 2.85**



## AMX flat plate solar collectors

AMX solar collectors are high-efficiency flat plate collectors for domestic hot water and central heating support. They have two connections and an aluminum-copper absorber with a double harp. A distinctive feature of AMX collectors is the filmless aluminum collector frame.

|                                       | AMX 2.0   | AMX 2.38  | AMX 2.51  | AMX 2.85  |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Gross area (m <sup>2</sup> )          | 2,03      | 2,39      | 2,53      | 2,87      |
| Absorber area (m <sup>2</sup> )       | 1,84      | 2,19      | 2,32      | 2,64      |
| Dimensions (mm)                       | 1907x1067 | 2246x1066 | 2246x1126 | 2246x1277 |
| Height (mm)                           | 90        |           |           |           |
| Absorption                            | 0,95      |           |           |           |
| Emission                              | 0,05      |           |           |           |
| Transmission                          | 0,915     |           |           |           |
| Efficiency (%)                        | 82        |           |           |           |
| a1 (W/m <sup>2</sup> K)               | 3,29      |           |           |           |
| a2 (W/m <sup>2</sup> K <sup>2</sup> ) | 0,023     |           |           |           |



ALUMINUM-COPPER  
ABSORBER IN DOUBLE  
HARP SYSTEM



2 CONNECTIONS

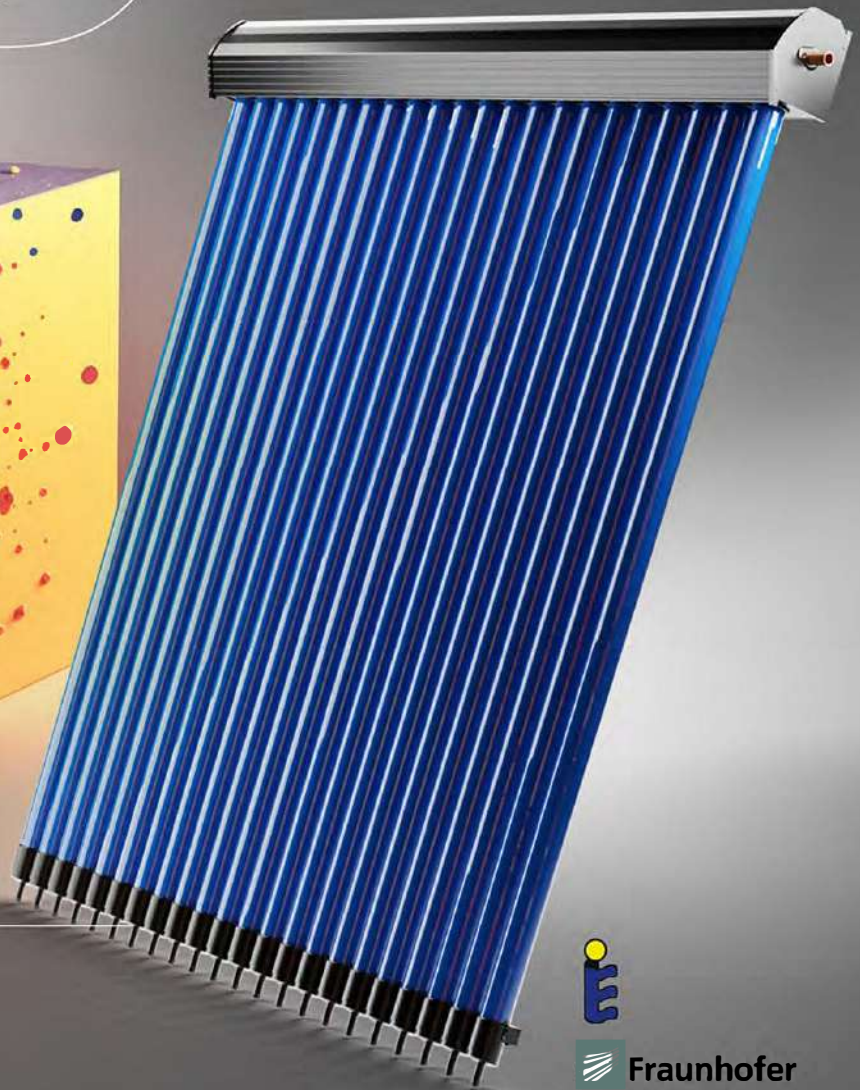
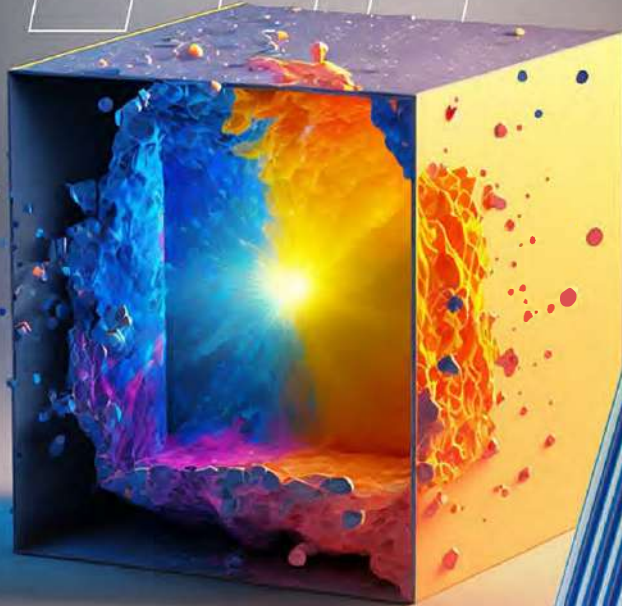


ALUMINUM FRAME,  
BENT FROM A SINGLE  
SEGMENT



# HP

SOLAR PIPE COLLECTOR



Available **models**

**22 30**



Fraunhofer

## HP Pipe Solar Collectors

HP type solar collectors are manufactured with HEAT PIPE technology, which ensures high reliability, even during long periods of plant stagnation and during high irradiation. The use of HP collectors provides high level of heating support. HP solar collectors are available in versions with 22 and 30 pipes.

|                                       | HP 22     | HP 30     |
|---------------------------------------|-----------|-----------|
| Gross area (m <sup>2</sup> )          | 3,61      | 4,89      |
| Absorber area (m <sup>2</sup> )       | 2,70      | 3,68      |
| Dimensions (mm)                       | 1990x1815 | 1990x2455 |
| Height (mm)                           | 182       |           |
| Absorption                            | 0,94      |           |
| Emission                              | 0,08      |           |
| Absorber Efficiency (%)               | 59        |           |
| a1 (W/m <sup>2</sup> K)               | 1,84      |           |
| a2 (W/m <sup>2</sup> K <sup>2</sup> ) | 0,001     |           |



HEAT PIPE  
TECHNOLOGY



2 CONNECTIONS



ALUMINUM HOUSING



HIGH RELIABILITY



## Discover our wide range of additional products

SUN offers a comprehensive complement of solar products. We manufacture and supply the highest quality products such as connection elements, solar tubes, operating fluids or filling and flushing stations. All the offered products are made with maximum attention to every detail.



### Connection sets

Full product range required to connect collectors



### Solar cables

High resistance to external factors

### Filling and flushing stations

Ability to flush, vent, fill, and conduct a pressure test.



### Operating fluids

Glycol concentrate, ready-to-use solar fluids, system cleaning fluids



### FISH S2 tanks

The FISH S2 series of tanks allows for the maximum efficient heating of domestic water due to two high-efficiency coils.

### Hydra GPS pump group

A set of devices that are designed to force the circulation of the heating medium in the system



### LOGO PWM controller

Controllers for simple and complex solar systems, can also function as universal controllers in heating systems.





*More details about*  
**our future plans**

**FISH**  
**CARBON<sup>®</sup>**

*A product revolution - a new generation of tanks*

*Development and implementation of*  
**hydrogen technologies**

We are pleased to have the opportunity to enter the hydrogen technology markets and add our own contribution to the effective and rapid development and further branches of the renewable energy industry.



**Titan<sup>®</sup>**  
*Heating*

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