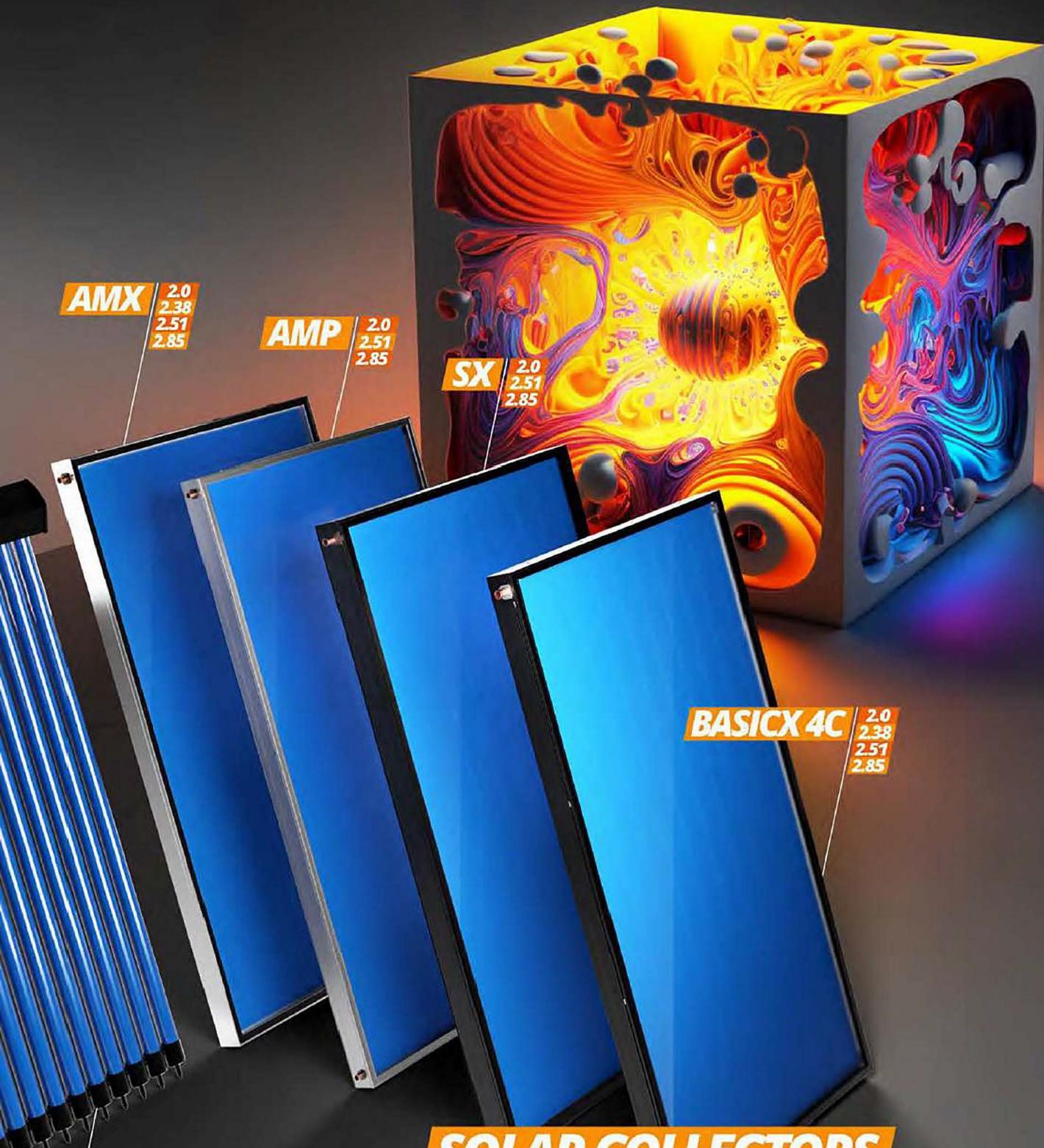


SUN Titan®
Heating



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 **SUN Titan[®]** **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

Sun... 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 SUNEX collectors makes them achieve very high efficiency in both summer and winter.



AMX SOLAR COLLECTORS

Example of a heating room with SUN 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]



All equipment from
one manufacturer



Factory integrated
system



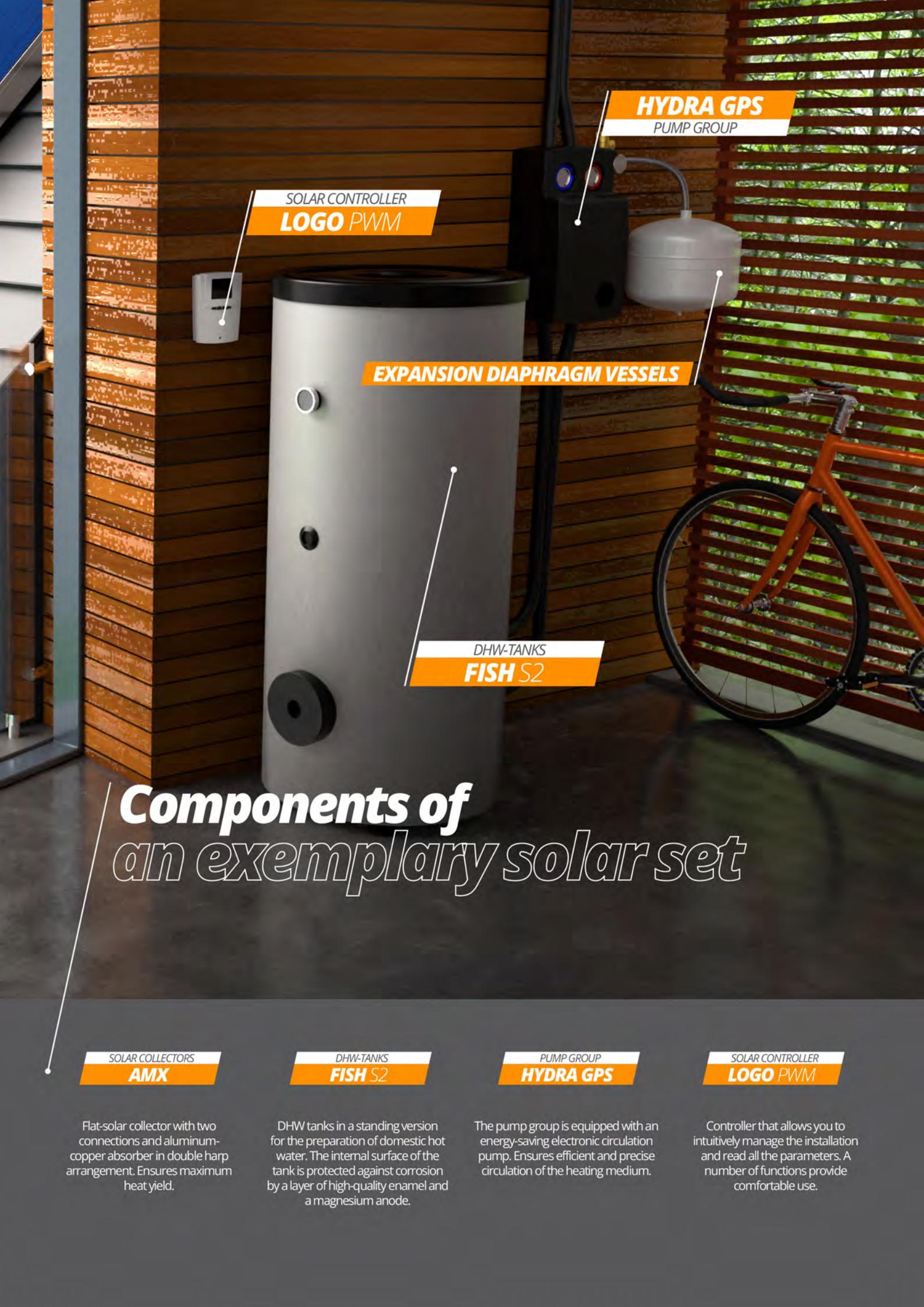
Full compatibility
- for efficient and
trouble-free operation



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



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



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

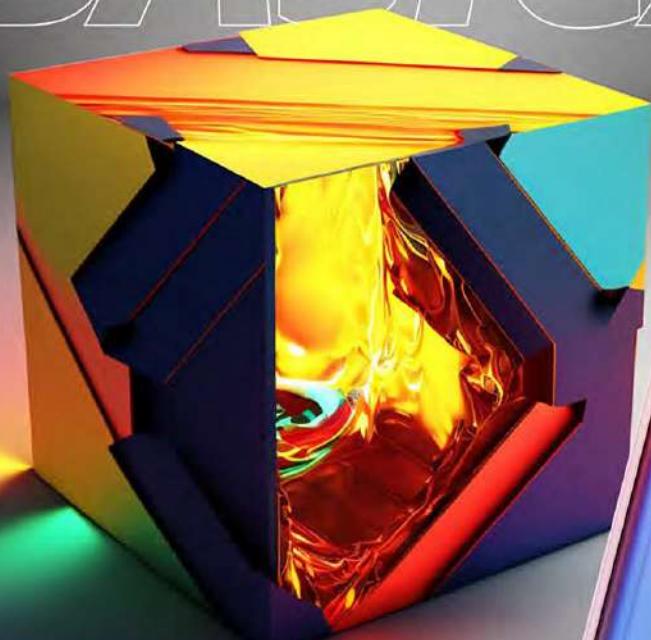
The pump group is equipped with an energy-saving electronic circulation pump. Ensures efficient and precise circulation of the heating medium.

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 2.0	BASICX 2.38	BASICX 2.51	BASICX 2.85
Gross area (m ²)	2,02	2,37	2,51	2,85
Absorber area (m ²)	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
α_1 (W/m ² K)				3,49
α_2 (W/m ² K ²)				0,011



COPPER ABSORBER IN
SINGLE HARP
ARRANGEMENT



4 CONNECTIONS



PAINTED ALUMINUM
FRAME, BENT FROM
ONE PIECE



ADDITIONAL SIDE
INSULATION



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 (m²)	2	2,51	2,85
Absorber area (m²)	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/m²K)	3,66		
a2 (W/m²K²)	0,009		



COPPER ABSORBER IN
DOUBLE HARP SYSTEM



2 CONNECTIONS



PAINTED ALUMINUM
FRAME, BENT FROM A
SINGLE SECTION



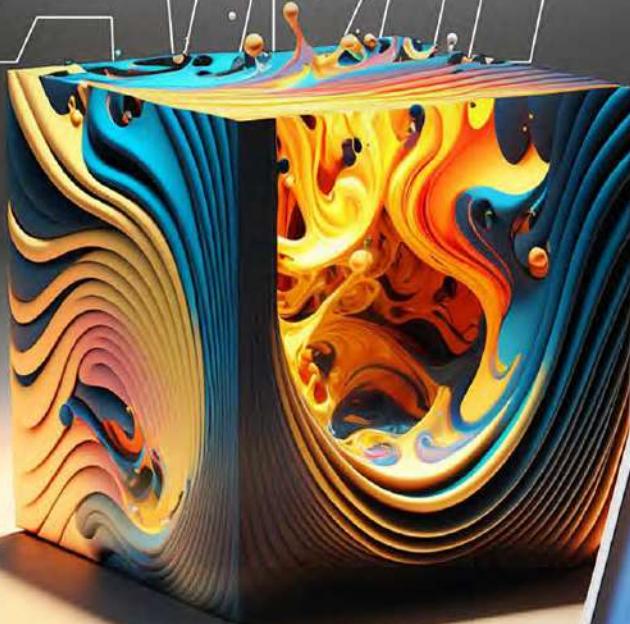
ADDITIONAL SIDE
INSULATION



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 ²)	2,01	2,5	2,84
Absorber area (m ²)	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 ² K)	4,69		
a2 (W/m ² K ²)	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 ²)	2,03	2,39	2,53	2,87
Absorber area (m ²)	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 ² K)				3,29
a2 (W/m ² K ²)				0,023



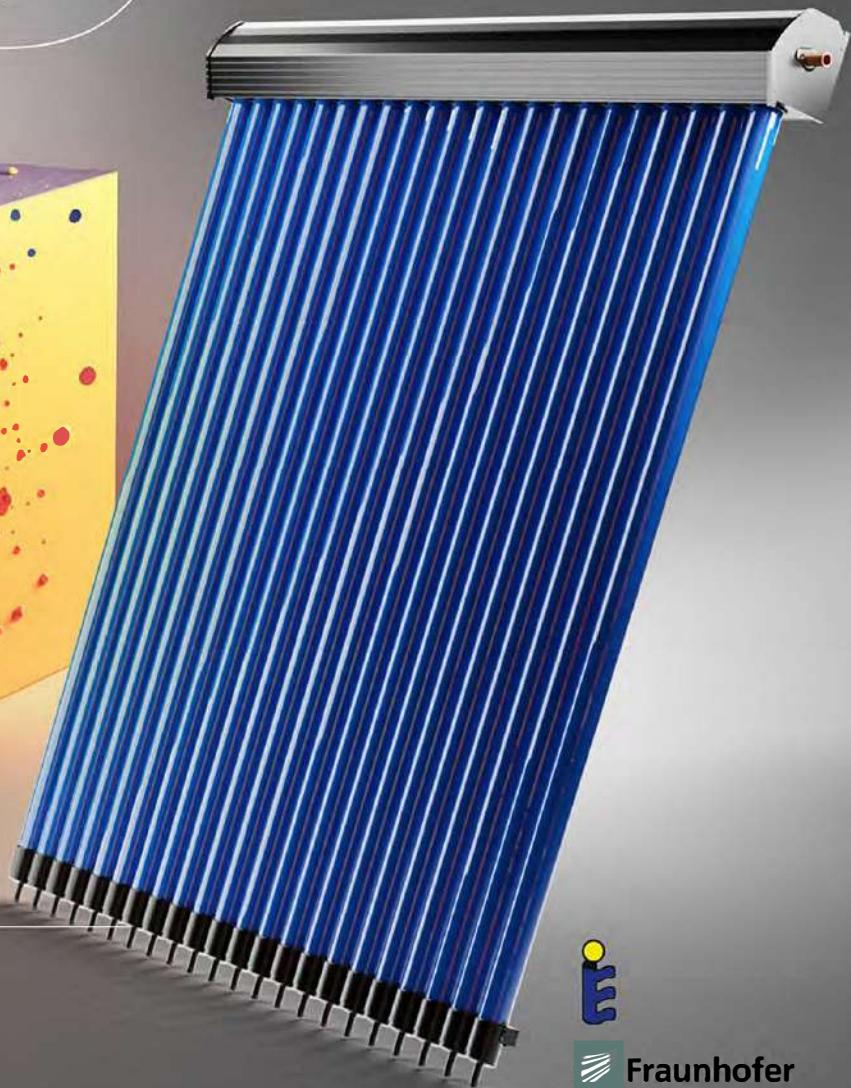
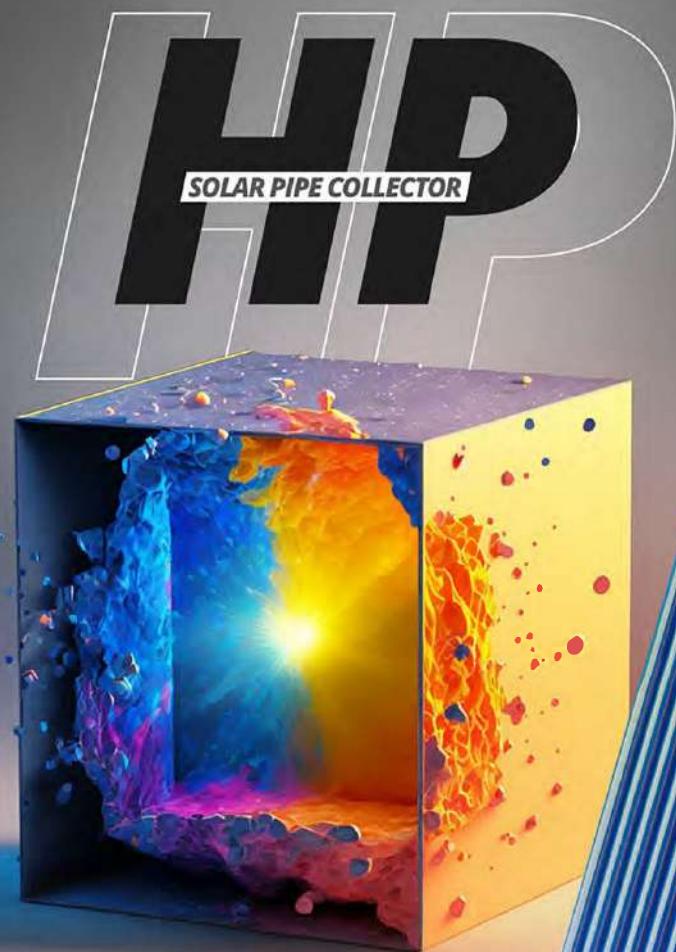
ALUMINUM-COPPER
ABSORBER IN DOUBLE
HARP SYSTEM



2 CONNECTIONS



ALUMINUM FRAME,
BENT FROM A SINGLE
SEGMENT



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 ²)	3,61	4,89
Absorber area (m ²)	2,70	3,68
Dimensions (mm)	1990x1815	1990x2455
Height (mm)	182	
Absorption	0,94	
Emission	0,08	
Absorber Efficiency (%)	59	
a1 (W/m ² K)	1,84	
a2 (W/m ² K ²)	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**®

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®
Heating

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