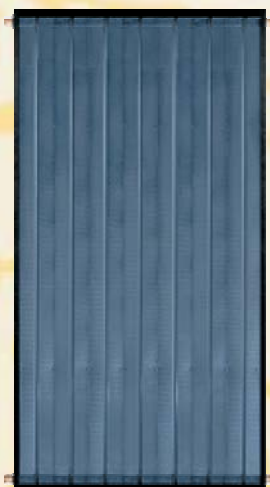


Unique solar collectors!

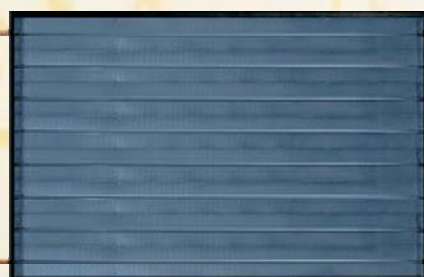
ZöldHáz solar collectors:

Our solar collectors are produced from quality raw materials with **Danish technology**, meeting all the International Energy Agency requirements. Owing to the unique heat absorbers and its heat preservation these solar collectors work with the highest efficiency.

SA 2000 - **standing collector** (2m²):



External dimension: - 1050x2000x105mm
 Gross area: - 2 m²
 Bulk: - 42 kg
 Connection: - 22mm copper tube
 Working pressure: - 2-4 bar
 Internal capacity: - 1,7 litres
 Max. operation temp.: - 250 °C
 Energy yield per year: - 1000-1200 kWh



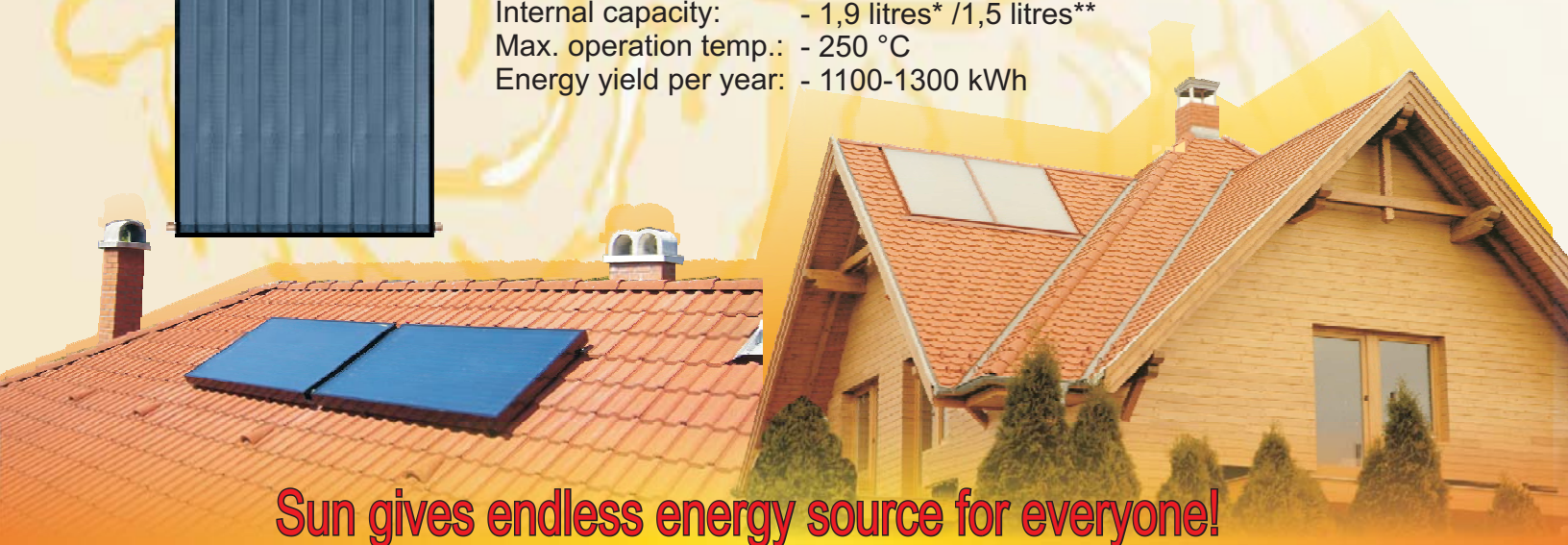
For individual order lying collector is also produced from this model!

* SA (standing) solar collectors
 ** SF (lying) solar collectors

SA /SF 2200 - **standing/lying collector** (2,2 m²):



External dimension: - 1200x1850x105mm
 Gross area: - 2,2 m²
 Bulk: - 45kg*/43kg**
 Connection: - 22mm*/15mm** copper tube
 Working pressure: - 2-4 bar
 Internal capacity: - 1,9 litres* /1,5 litres**
 Max. operation temp.: - 250 °C
 Energy yield per year: - 1100-1300 kWh



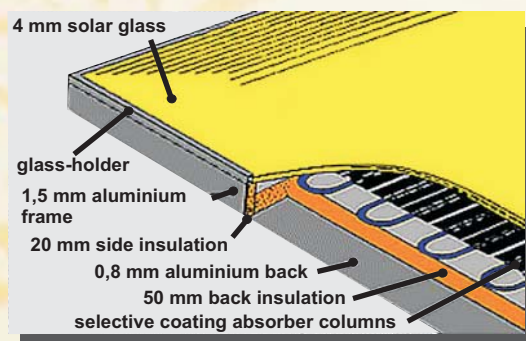
Sun gives endless energy source for everyone!

SA 3000 - **standing collector** (3m²):



External dimension: - 1200x2400x105 mm
Gross area: - 3 m²
Bulk: - 55 kg
Connection: - 22 mm copper tube
Working pressure: - 2-4 bar
Internal capacity: - 2 litres
Max. operation temp.: - 250 °C
Energy yield per year: - 1500-1800 kWh

Structure of the solar collector:



The columns are assembled in an aluminium frame. Under the absorbers gets a 50 mm thick and on the sides a 20 mm thick solid fibreglass insulation. The covering is a 4 mm thick prismatic, low-iron tempered safety solar-glass with 92% light transmission. **It resists any hail.**

The collectors are built up by aluminium columns stamped on copper tubes and covered with unique selective coating which highly reduces the amount of the reflected sunlight. This way the performance grows and the collector works with outstanding efficiency during the whole year.

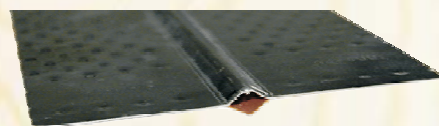
The applied heat absorber model is the most effective on the market.

The structure of the selective coating produced by spraying technology:

1. layer: -anticorrosion coating
2. layer: -heat absorbing film
3. layer: -transparent, antireflective coating

Control of quality:

Static pressure test: -30 bar pressure on each band
Dynamic pressure test: -10 10 bar by minimum 3000 hitting
Leaking test: -11 bar during 2 minutes
Pressure resistance: -50 bar on 180 degrees temperature



The rhombic shape of the internal tube-system ensures uninterrupted stream which grows the heat-retrieval. There is a 100% connection between the edge and the copper tube.

The sprayed surface coating fulfils all the requirements of the International Energy Agency.

Compression fittings for the linking up of the standing and laying solar collectors.



Easy set-up:

With the help of the fitting cabinet (given as accessories) it is easy and quick to set-up the solar collectors to the roof-timbers.

Cheap and simple installation:

to roof
to flat roof
to wall
-to open-air field

Covering profile



Zöldház Solar collectors have 30-40 years long endurance!

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