

**SOLARFOOLS** makes you independent

**Sunnyline** 

**Flat collector**

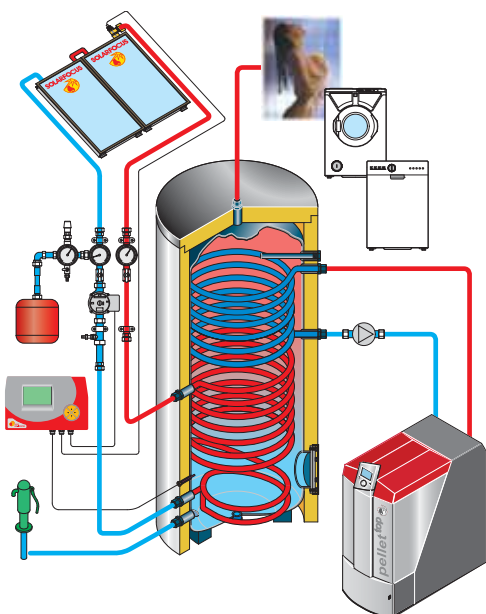
## Your benefits

- ✓ Can be used anywhere:
  - Hot water
  - Auxiliary heating
  - Swimming pool heating
- ✓ Only high quality corrosion and oxidation-resistant materials used  
**NO RUBBER SEALS, NO PLASTICS, NO WOOD**
- ✓ Welded aluminium casing - protects the interior of the collector for many decades
- ✓ Highly selective **blue line** full plate absorber
- ✓ 50 mm rear wall insulation - ensures high operating efficiency
- ✓ 4 mm low iron solar glass: 92% solar transmission
- ✓ Low fitting costs thanks to straightforward pipe work
- ✓ Suitable for all mounting types (inside roof, outside roof, free-standing, wall mounted, ...)

## Design recommendation - collector surface / storage

Please be aware of your location, the proportion of solar coverage, the consumption profile, the energy classification number and the type of your heating system.

Number of persons	Usage	Collector-surface	Storage capacity	Number of persons	Usage	Collector-surface	Storage capacity
2-4		<b>5.6 m<sup>2</sup></b> <b>SOLARFOCUS</b> 2 x Sunny-28 à 2.8 m <sup>2</sup>	approx. <b>300 l</b> solar storage	2-4		<b>14.0 m<sup>2</sup></b> <b>SOLARFOCUS</b> 5 x Sunny-28 à 2.8 m <sup>2</sup>	<b>800 l</b> solar storage
3-5		<b>8.4 m<sup>2</sup></b> <b>SOLARFOCUS</b> 3 x Sunny-28 à 2.8 m <sup>2</sup>	approx. <b>300 - 500 l</b> solar storage	3-5		<b>16.8 m<sup>2</sup></b> <b>SOLARFOCUS</b> 6 x Sunny-28 à 2.8 m <sup>2</sup>	<b>1,000 l -</b> <b>1,500 l</b> solar storage
4-6		<b>11.2 m<sup>2</sup></b> <b>SOLARFOCUS</b> 4 x Sunny-28 à 2.8 m <sup>2</sup>	approx. <b>500 - 750 l</b> solar storage	4-6		<b>22.4 m<sup>2</sup></b> <b>SOLARFOCUS</b> 8 x Sunny-28 à 2.8 m <sup>2</sup>	<b>1,500 l -</b> <b>2,000 l</b> solar storage
<b>Domestic hot water</b>				<b>DHW + space heating support</b>			

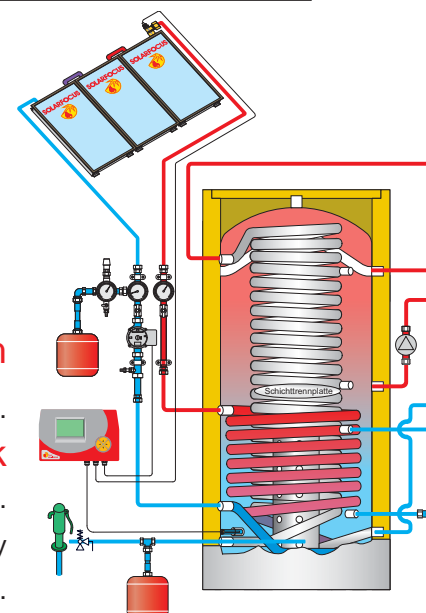


### The solar hot water system

Makes optimum use of the power of the sun combined with your conventional hot water system.

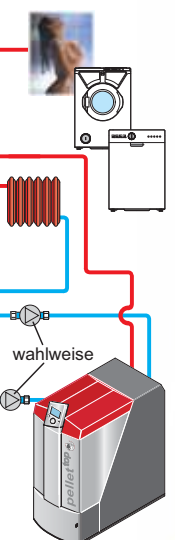
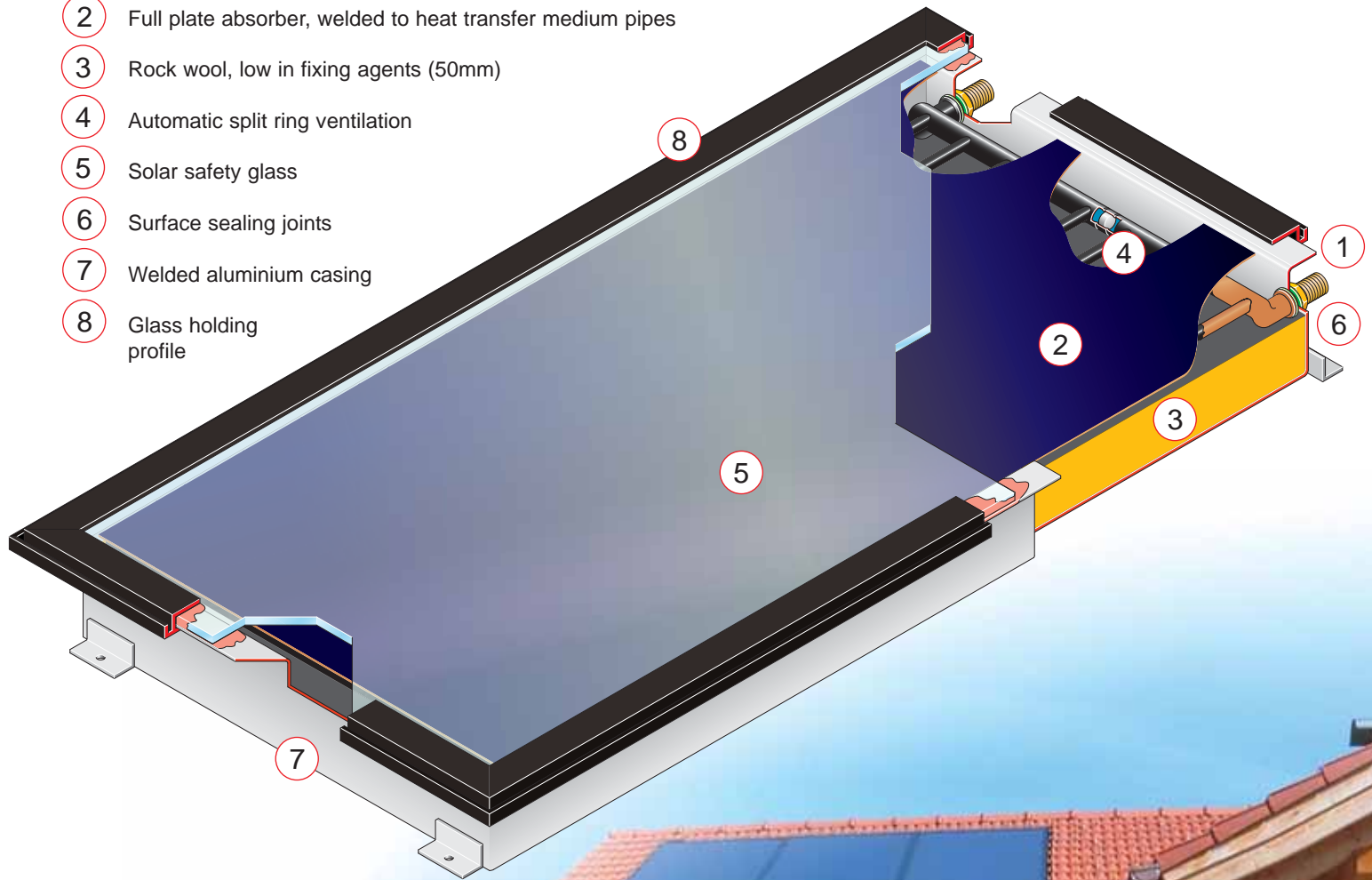
### The compact solar energy system

Domestic hot water and auxiliary heating.  
**HYKO combination tank**  
Provides hot water for heating and domestic use.  
Domestic hot water is provided hygienically through flow heating.



# im line for every wallet

- 1 Front-facing 1/2" AG connections
- 2 Full plate absorber, welded to heat transfer medium pipes
- 3 Rock wool, low in fixing agents (50mm)
- 4 Automatic split ring ventilation
- 5 Solar safety glass
- 6 Surface sealing joints
- 7 Welded aluminium casing
- 8 Glass holding profile



## Technical data

STRUCTURE	Flat plate collector
DIMENSIONS Sunny 21	1,785 x 1,155 mm (2.1 m <sup>2</sup> ) x 85 mm
Sunny 28	2,400 x 1,155 mm (2.8 m <sup>2</sup> ) x 85 mm
APERTURE SURFACE Sunny 21 / Sunny 28	1.82 m <sup>2</sup> / 2.5 m <sup>2</sup>
WEIGHT (EMPTY) Sunny 21 / Sunny 28	40 kg / 50 kg
CAPACITY Sunny 21 / Sunny 28	1.08 liters / 1.3 litres
CONVERSION FACTOR	0.78
HEAT LOSS FACTOR	3.4 W/m <sup>2</sup> K
RATE OF FLOW	20 - 70 l/m <sup>2</sup> h
LOSS OF PRESSURE at 20° and 50l/m <sup>2</sup> h	4.7 mbar/m <sup>2</sup>
GLASS COVER	4 mm solar safety glass
MAX. OPERATING PRESSURE	10 bar

TESTED TO EN 12975-1,2 : 2000



Everything from one source, with 25 years of experience:  
**SOLARFOCUS** solar systems - **SOLARFOCUS** biomass heating - **SOLARFOCUS** storage technology



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