

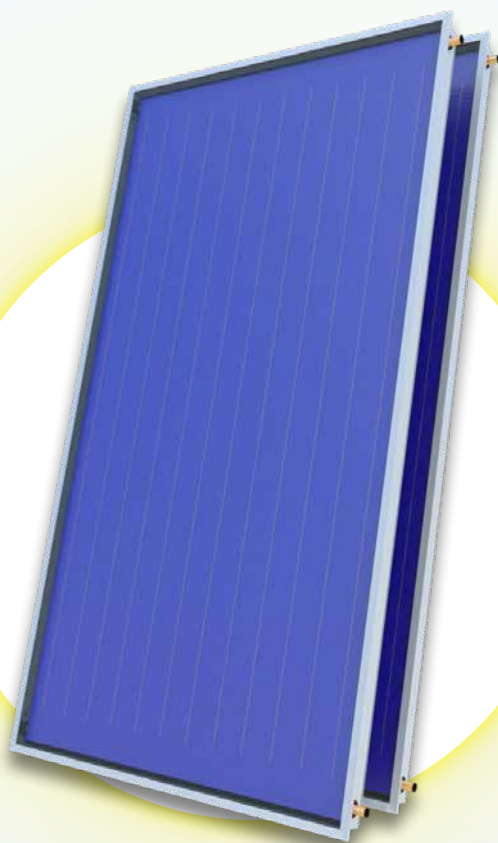
Solarico®

INNOVATIVE
PLASTIC COMPOSITE
NEW GENERATION

HYGIENIC WATER HEATER
DRAINBACK SOLAR STORAGE TANK
STRATIFIED SEPARATOR ACCUMULATOR

GENERAL BENEFITS

- FULL-PLATE COPPER ABSORBER
- TEMPERED GLASS
- ALUMINIUM CASING



UniPlate

Solar Thermal Collectors



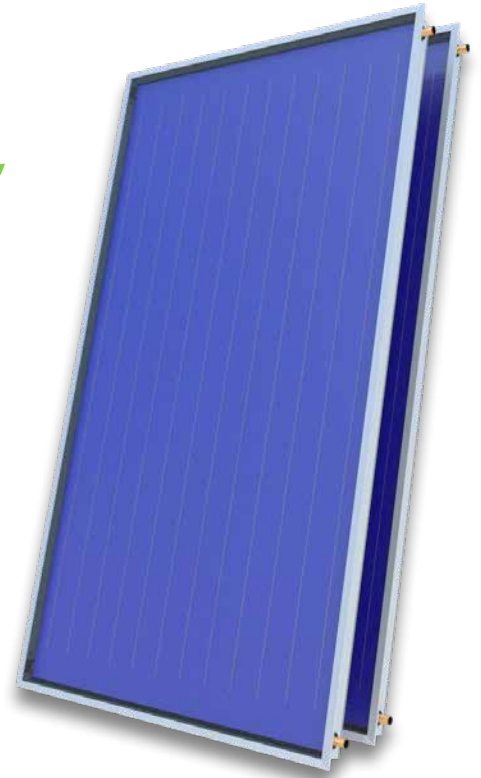


UniPlate

Solar Thermal Collectors

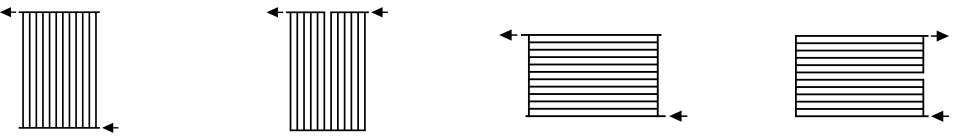


- Full-plate high performance copper absorber with Eta plus selective foil 0.2 mm, corrugated
- High transmission low iron tempered safety glass, 4 mm thick
- Optimal insulation
- Aluminium casing
- Easy to install
- Stability and reliability
- 10 years guarantee



ISO 9001
LL-C (Certification)

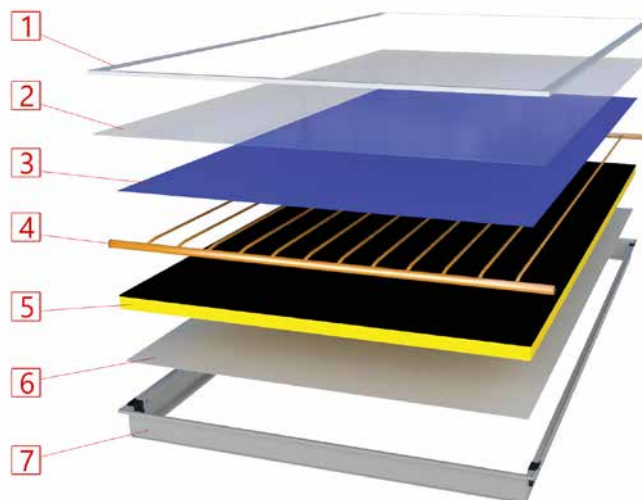


UniPlate Model		2.5 SB	2.1 SB *	2.5 SB-U *	2.1 SB-U *	2.5 SB H *	2.1 SB H *	2.5 SB HV *	2.1 SB HV *
Gross area / Light entering area	(m²)	2,49 / 2,35	2,1 / 1,95	2,49 / 2,35	2,1 / 1,95	2,49 / 2,35	2,1 / 1,95	2,49 / 2,35	2,1 / 1,95
Absorber surface (corrugate)	(m²)	2,32	1,92	2,32	1,92	2,32	1,92	2,32	1,92
Absorber material		copper sheet with "Eta plus" selective surface coating							
Absorption coefficient (Eta plus)	(%)	95 ± 2							
Emission coefficient (Eta plus)	(%)	5 ± 2							
Cu Pipe register frame	(mm)	Ø8 x 0,5							
Collective Cu pipe frame	(mm)	Ø22 x 0,8							
Absorber volume	(l)	1,7	1,3	1,7	1,3	1,7	1,3	1,7	1,3
Transparent front cover		4mm tempered solar glass							
Solar light transmission through glass	(%)	92 ± 2							
Solar energy transmission through glass	(%)	91 ± 2							
Number of connections		4	4	2	2	4	4	4	4
Connection diameter	(R)	Ø22							
Max. working / test pressure	(bar)	10 / 14							
Stagnation temperature	(°C)	199							
Insulation - back side		40 mm glass wool (50kg/m³)							
Insulation - on the sides		-							
Back area		0.5 mm embossed aluminium sheet							
Collector construction		aluminium profil AlMgSi 0,5 F22							
Welding method		ultrasonic							
Height/ Width/Depth	(mm)	2150 / 1160 / 90	2150 / 976 / 90	2150 / 1160 / 90	2150 / 976 / 90	2150 / 1160 / 90	2150 / 976 / 90	2150 / 1160 / 90	2150 / 976 / 90
Weight	(kg)	45	37	45	37	45	37	45	37
Absorber type									

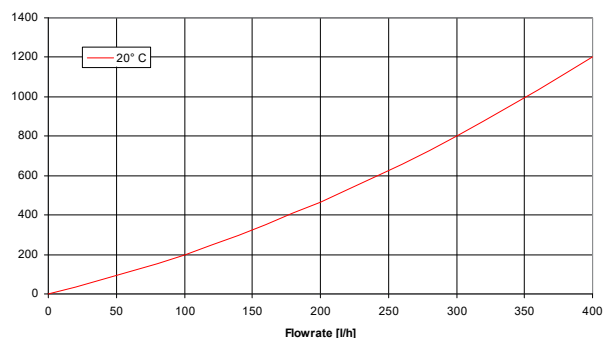
* Produced on demand for larger quantities

The base version has single glazed tempered solar glass, used in applications such as domestic hot water (DHW), industrial hot water (IHW), swimming pools, etc.

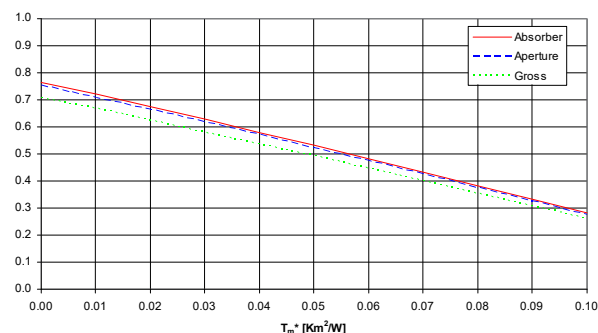
1. Anodised aluminum batten
2. Hecker T-Safe Solarfloat tempered solar glass
3. Alanod - Eta Plus Cu sheet with selective surface coating
4. Ultrasonic - welded copper absorbers
5. Mineral glass wool slab with 50 kg/m3 covered by layer of black fiber glass
6. Embossed back side Al - metal sheet
7. Strong aluminum profile



Pressure drop in Pa



Collector efficiency for G = 800 W/m²



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DRAINBACK SOLAR STORAGE TANK
STRATIFIED SEPARATOR ACCUMULATOR



- Solar Thermal Collectors
- Multi-Functional Storage Tanks and Hygienic Water Heaters
- Drain Back Reservoirs
- Expansions Vessels
- Pressure Vessels
- Heat Exchangers



PRODUCTION FACILITY:

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