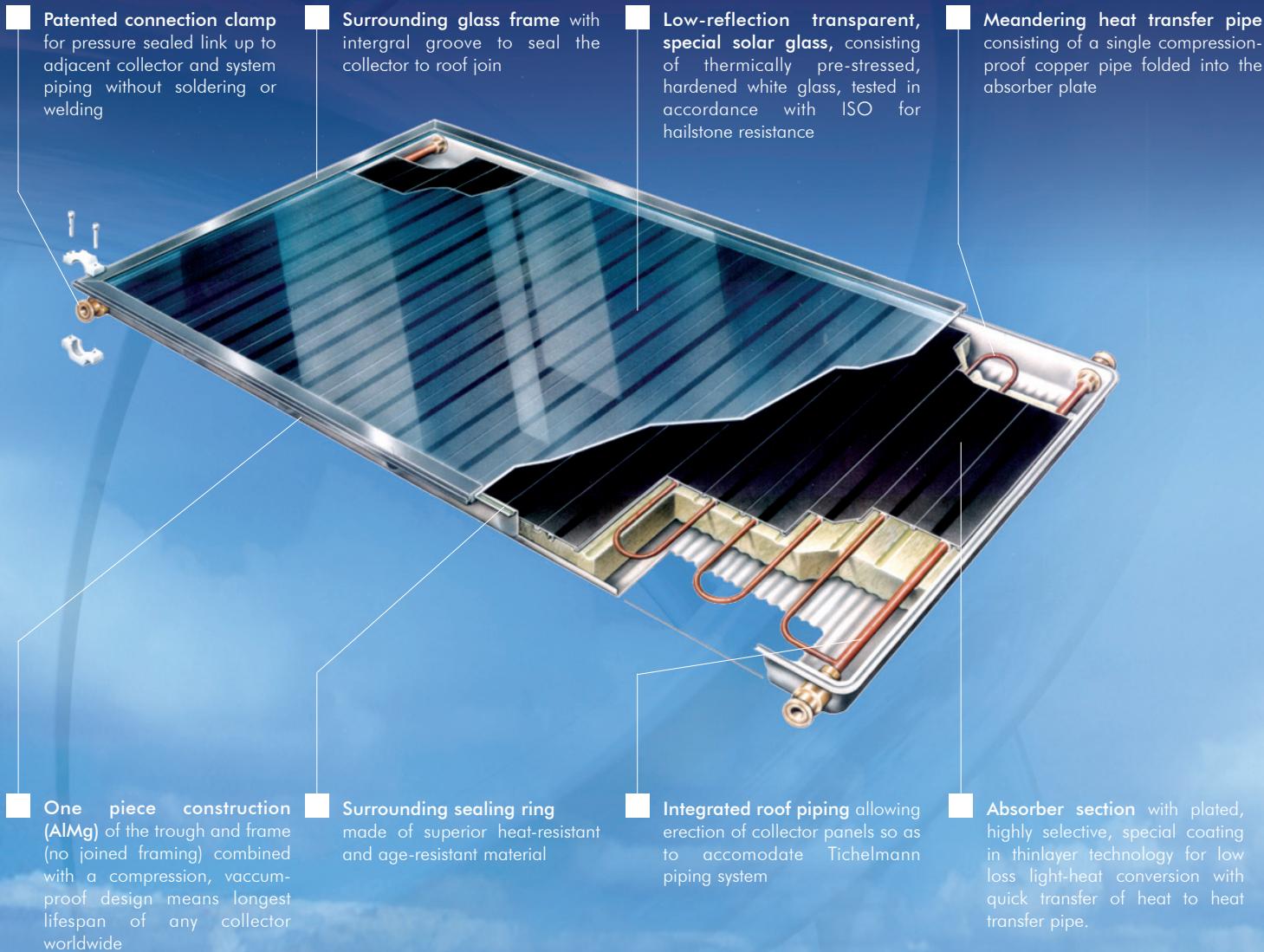




Genersys®

1000-10 Solar Collector

For a greener future



Genersys 1000-10 Solar Collector

1 panel (2m²) average output 1200 kw per annum at constant 50 degrees C *

GENERSYS 1000-10 is a world leading flat-plate, vertically or horizontally mounted collector without collection pipes, intended for applications in systems equipped with circulating pumps. It consists of a one-piece forged metal casing to which safety solar glass is fixed by means of a frame made from non-corrosive aluminium profile.



Stamped Al-Mg sheet absorber fins with high-selective conversion layer span the copper pipe meander. The flanged connection pipes are connected to the hydraulic circuit by patented connection clamps. The collectors can be connected in series, up to 10 panels in total.



www.genersys-solar.com

The Genersys name and logo are trademarks registered throughout the European Community



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1000-10 Solar Collector

Technical Data Sheet



Technical Specifications

Floor Space:	2.08 m ²
Absorbing Surface:	1.78 m ²
Linkage dimension:	1024 x 2040mm
Cover glass:	Safety solar glass 4mm thick.
Connection:	Patented connection clamp.
Casing:	Stamping from non-corrosive Al-Mg sheet.

Thermowell: To accommodate Ø 4mm or Ø 6mm sensor.

Solar absorptivity: $\alpha_{M1.5}$	Min. 0.94
Thermal emissivity: $\epsilon_{82^\circ C}$	Max. 0.16
Optical efficiency:	80%
Operating temperature:	Below 100°C

No-load temperature at radiation 1000 W/m² and ambient temperature of 30°C 170°C

Max. working over-pressure of heat transfer -fluid: 600 kPa

Recommended flow of heat transfer fluid: 60 L/h

High Quality Panel

The casing

- stamping from non-corrosive Al-Mg sheet
- sea-water resistant

The Absorber

- made of corrosion-resistant aluminium
- corrosion-proof and pressure-proof copper piping for fluids

The glass covering

- safety glass for security against breakage, tested for hailstone-resistance
- maximum light-transmitting properties in excess of 90% due to high degree of transparency

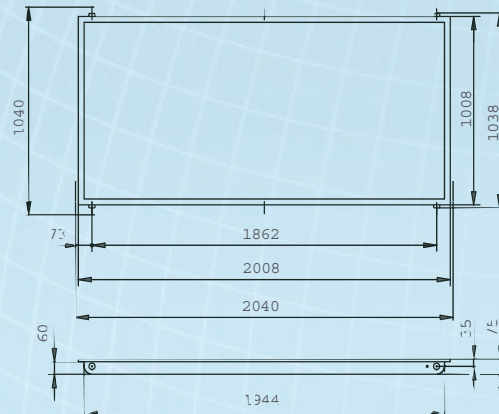
Modular construction in line with architectural requirements

- attractive appearance due to integrated collection piping
- straightforward collector erection even for attic conversions

Energy and environmental protection

- The flat plate collector produces heat without polluting the environment and with only minimal energy consumption. It saves the energy required for its manufacture in approximately 2 years.

Dimensions



Product numbers:

Solar Collector Genersys 1000-10	K3133GB
Solar Collector Genersys 1000-10H*	K3041GB
* horizontally mounted	

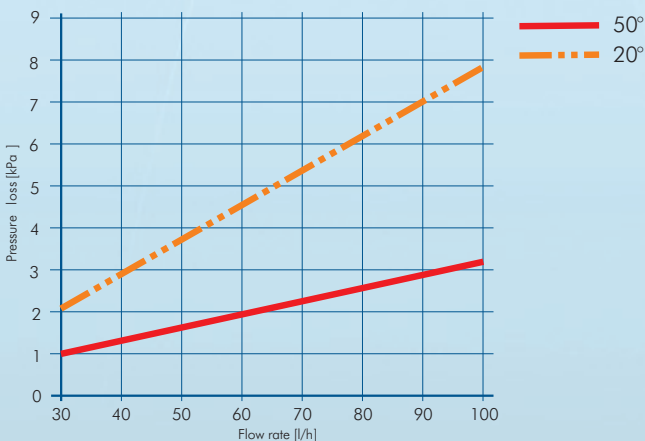
Genersys PLC, 37 Queen Anne Street, London, W1G 9JB

Tel. +44 (0) 207 637 9708

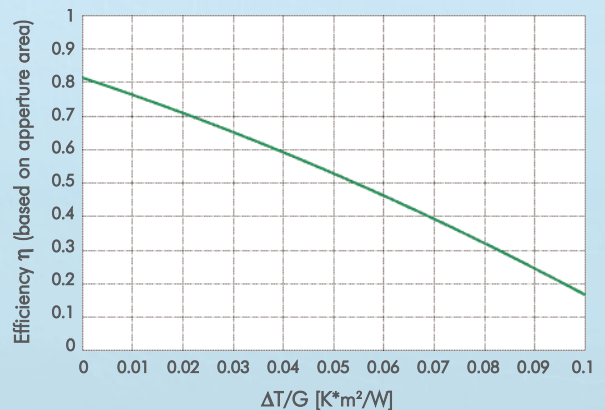
Fax. +44 (0) 207 637 0901

Email: enquiries@genersys-solar.com

Pressure Loss of 1000-10 Panel with Anti-Freeze Liquid



Efficiency curve for the determined coefficients and for an assumed irradiation of 800 W/m² based on aperture area



Certified and independently tested to comply with BS EN 12975 Parts 1 & 2 and comply with all applicable official standards in the USA and Canada.



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