SOLAR COLLECTORS
Practical Solar Solutions

Series Large-Size Collectors

MEI-GK 3000
Frame Collector

GK 3000 series in the standard sizes 5 m² and 10 m². The special design of the absorber and the attractive performance data make these collectors ideal for large solar thermal systems.

The optimized mounting system, which permits time-saving installation by crane, and simple connection considerably reduce the overall time and effort required to install the system.

GK 3000 product benefits

- Up to 10 collectors can be connected in parallel or in series with each other with minimum pressure loss (Low Flow / Tichelmann)

- Optimal stagnation and draining behaviour thanks to the serpentine absorber designed for large systems
- Aluminium frame collector with a high degree of long-term stability satisfies static requirements as per DIN 1055
- Time-saving collector installation thanks to optimized support triangles with support rails as well as simple collector connections

- Excellent value for money thanks to aluminium absorber with highly selective coating as well as minimum crane use and installation time to set up the system

- Easy to service since glass covers and modules can be individually replaced

Collector installation options

| Flat roof, 30 ° | Flat roof, 45 ° | Flat roof, 60 ° | On roof, parallel |

Technical data	GK3100	GK3500
Collector type	Large-size collector	
Overall area [m²]	10,05	5,03
Absorber area [m²]	9,17	4,59
Aperture area [m²]	9,43	4,69
L x W x H [mm]	4867 x 2064 x 114	2441 x 2064 x 114
Weight [kg]	170	90
Absorber capacity [l]	9	4,5
Housing	Al-frame	
Surface	Al, natural	
Back plate	Al-sheet	
Absorber	Al, highly selective vacuum coating	
Absorption [%]	95	
Emission [%]	5	
Ø manifold [mm]	26	
Ø risers [mm]	8	
Connections	1 ¼ external thread (including anti-rotation element)	
Glass	3.2 mm tempered solar safety glass	
Transmittance of glass [%]	91	
Insulation	50 mm mineral wool plate	
Max. stagnation temperature	234 °C under test conditions	
Max. operating pressure	10 bar	
Heat transfer medium	Polypropylene glycol / water mixture	
Approved installation angle	min. 25°, max. 75°	
Standard packaging	6 collectors, vertical	

quality austria
SYSTEMZERTIFIZIERT
ISO 9001:2000   NR.00869/0
ISO 14001:2004   NR.00036/0

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Technical data subject to change without notice. (2008/12)