

U 1521

Evacuated tube collector without CPC-reflector - 21 evacuated tubes

for water heating, series connection

- **Pipe material:** Copper

Scope of delivery: Fully pre-assembled unit comprising

- Evacuated tubes based on the thermos flask principle
- Manifold with direct flow heat conduction unit and dry tube connection

Collectors are packed in individual boxes. In addition, there is a sun protection sheet over the evacuated tubes.

Installation types:

- On-roof installation
- Flat roof
- Horizontal installation



SPECIFICATION

Series	U1521	
No. of Evacuated Tubes		21
η (Aperture), DIN 4757-4 or EN 12975	%	74.5
c1 with wind, in relation to aperture	W/(m ² k)	2.007
c2 with wind, in relation to aperture	W/(m ² k ²)	0.005
Yield forecast	kWh/m ² a	780
(location Würzburg, Germany, reference area 3m ²)		

Yield forecast	kWh/m ² a	619
(location Würzburg, Germany, reference area 5m ²)		
Grid dimensions (length x height x depth)	m	1.45 x 1.64 x 0.1
Gross surface area	m ²	2.32
Aperture area	m ²	1.33
Collector contents	l	2.5
Weight	kg	51
Max. working overpressure	bar	10
Max. stagnation temperature	°C	220
Connection diameter, clamping ring	mm	15
Sensor sleeve	mm	6
Collector material		Al / Cu / glass / Silicone / PBT / EPDM / TE
Glass tube material		Borosilicate glass 3.3
Selective absorber coating material		Aluminium nitride
Glass tube (Ø ext./Ø int./wall thckn./tube lgth.)	mm	47/37/1.6/1500
Colour (aluminium frame profile, anodised)		Aluminium grey
Colour (plastic parts)		Black
Thermal shock test	ITW test	06COL517
Hailstone test according to DIN EN 12975-2	TÜV test	435/142448
EC type examination		Z-ISDDK-MUC-07-08-100029919-003