



TUBO 12 CI EVACUATED TUBE COLLECTOR

TUBO 12 CI High-Performance Evacuated Tube Collector Packages Including Module Support, Solar Station and Anti-Freeze

The TUBO is the flattest and lightest evacuated tube collector on the market. It is highly versatile in its application and features a particularly long service life with good performance data.

Your benefits at a glance

- Even with a small available roof surface maximum performance also in the winter months
- Attractive design owing to flat connection box
- The flattest collector on the market
- Fits on every roof owing to flexible arrangement possibility
- 10 years Consolar warranty against breakage of glass caused by thermal shock, hail or frost
- High standard of quality owing to special structure and materials
- Own production in the German region of South Baden with ISO 9001 certification

Collector package consisting of:

Evacuated tube collectors with CPC reflector, collector manifold at bottom of panel for better idling performance, made of stainless steel, dimensions W x H x D in mm 625 x 1880 x 55, gross collector area 1.18 m². Including module support as an option.

CON-SOLARSTATION III comprising:

Expansion vessel, stainless steel corrugated hose, pump, flow meter 1 – 6 l/min for water-glycol mix, air vent, pressure indicator, thermometer, fill and



3 modules, TUBO 12 CI

flush tap combination, 6 bar safety valve, temperature sensor holders and backflow restrictors in inlet and return flows, EPP thermal insulation, incl. 4 compression fittings, standard size 15 mm (can be exchanged for 12 mm, 18 mm, 22 mm, please specify when ordering). Order support sleeves for soft copper pipe in addition (no extra charge).

Including Tyfocor LS anti-freeze.

The "Wilco Stratos PARA" 1-7 energy-saving pump and, if required, a larger expansion vessel are available at an extra price.

Coppertubes in a tube collector: as the anti-freeze agent only evaporates slowly, it decomposes and corrodes the tube.

TUBO 12 CI with top connections: longer life-span due to a rapid draining of the collector.

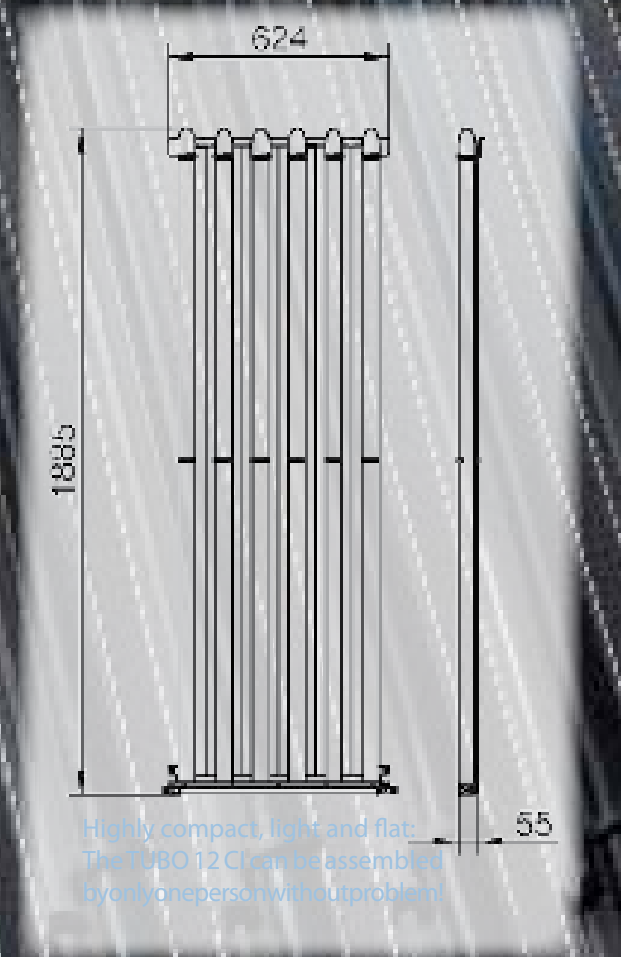
Top connections: the consequence is high heat loss.

TUBO 12 CI: the heat cannot escape as the tube is sealed at the top.

TUBO 12 CI EVACUATED TUBE COLLECTOR



Technical data	TUBO 12 CI
Collector dimensions and weight:	<ul style="list-style-type: none"> Dimensions: (W x H x D) in mm 625 x 1885 x 55 Weight: 16.4 kg
Collector areas as an array with 1 – 7 modules (aperture areas):	<ul style="list-style-type: none"> 1: 0.98 m² / 2: 2.06 m² 3: 3.16 m² / 4: 4.24 m² 5: 5.33 m² / 6: 6.42 m² 7: 7.50 m²
Output: Measurement to: EN 12975-2 by the ITW Stuttgart, inspection report no. 06COL 457	<ul style="list-style-type: none"> with reference to the aperture area: E_{ta}: 62 %; a₁: 0.395; a₂: 0.02 Angle correction at 50° dev. from collector standard transverse to tube 1.04; in tube direction: 0.95 Idling temperature: 250 °C
Materials	<ul style="list-style-type: none"> Tube: Borosilikat glass with 5 x 10⁻³ Pa vacuum and bariumgetter Piping in the tubes: Copper-nickle alloy Collector case and upper tube holder: Stainless steel Tube caps: Aluminium Reflectors: Aluminium
Mounting method of collectors:	<ul style="list-style-type: none"> On-roof, flat roof, facade 30 – 90°
Quality test:	<ul style="list-style-type: none"> Inspection to EN 12975-2 by ITW Stuttgart, Inspection report no. 06COL 457 Keymark certified, reg. no. 011-75074 F Blue Angel
Consolar warranty:	<ul style="list-style-type: none"> 10 years against breakage of glass caused by thermal shock, frost or hail (if no insurance of the end customer pays for the damage).



TUBO 12 CI TUBE COLLECTOR

Highly compact, light and flat:
The TUBO 12 CI can be assembled
by only one person without problems!

Conventional tube collectors:
condensation can cause tube breakage in the case of frost.

TUBO 12 CI:
frost proof in winter as water can simply flow out of the tube.

- high operating reliability
- lowest heat loss
- no damage due to humidity
- non-corrosive CuNi-Tube
- handy width – efficient roof coverage
- neat design: flattest collector available

TUBO 12 CI EVACUATED TUBE



Flat roof support as outdoor installation, 60°



Horizontal with facade installation solution provided by the customer

TUBO 12 CI package with the following number of collectors		Sloping roof parallel		Sloping roof raised 30°		Flat roof or facade 60°	
<p>Note! Included mounting and connection kits are just for the represented collector configuration suitable! By different configuration, please consider the technical documentation and installation and operating instructions!</p>							
Number of collectors	Total gross area	Item no.	Price/£	Item no.	Price/£	Item no.	Price/£
PER SINGLE-ARRAY SYSTEM*							
2	2.4 m ²	PR002	2,055.–	PR102	2,194.–	PR202	2,136.–
3	3.5 m ²	PR003	2,819.–	PR103	2,992.–	PR203	2,864.–
4	4.7 m ²	PR004	3,554.–	PR104	3,659.–	PR204	3,608.–
5	5.9 m ²	PR005	4,314.–	PR105	4,442.–	PR205	4,368.–
6	7.1 m ²	PR006	5,085.–	PR106	5,221.–	PR206	5,120.–
7	8.3 m ²	PR007	5,827.–	PR107	6,074.–	PR207	5,991.–
8	9.4 m ²	PR408	6,738.–	PR508	6,947.–	PR608	6,846.–
9	10.6 m ²	PR409	7,498.–	PR509	7,731.–	PR609	7,605.–
10	11.8 m ²	PR410	8,258.–	PR510	8,516.–	PR610	8,365.–
11	13.0 m ²	PR411	9,021.–	PR511	9,286.–	PR611	9,110.–
12	14.2 m ²	PR412	9,737.–	PR512	10,011.–	PR612	9,808.–
PER TWO-ARRAY SYSTEM*							
8	9.4 m ²	PR008	6,656.–	PR108	6,866.–	PR208	6,765.–
10	11.8 m ²	PR010	8,177.–	PR110	8,434.–	PR210	8,284.–
12	14.2 m ²	PR012	9,656.–	PR112	9,929.–	PR212	9,727.–
14	16.5 m ²	PR014	11,141.–	PR114	11,635.–	PR214	11,469.–