





Innovative collector frame construction

- High quality 2 mm thick tubes made of borosilicate glass with low silicon and iron oxide.
- The collection pipes are protected with mineral wool in a black aluminum casing for maximum protection from the weather.
- The collector is delivered in parts for self-assembly on the roof or construction site, which minimizes transport costs and makes the assembly faster and easier.
- High efficiency due to the cathodic sputtering process on the glass of the highly selective copper layer
- The HEAT PIPE technology allows for quick glass pipe replacement without draining the system.
- The vacuum insulation material provides maximum protection against heat los
- The stainless steel support structure ensures maximum service life.
- The copper tubes ensure maximum energy yield.

Technical specifications	HP 22	HP 30
Number of vacuum pipes:	22	30
Vacuum pipe diameter	58 mm	58 mm
Wall thickness:	2 mm	2 mm
Total surface area	3,61 m ²	4,89 m ²
Aperture area:	2,60 m ²	3,57m ²
Height / width / depth:	199 / 192 / 18,2 cm	199 / 245,5 / 18,2 cm
Connection diameter:	22 mm	22 mm
Optical absorber efficiency:	55 %	60 %
Absorber a1 losses:	1,83 W/m ² K	1,84 W/m ² K
Absorber a2 losses:	0,003 W/m ² K ²	0,001 W/m ² K ²
Absorption coefficient:	> 0,93	> 0,93
Emission factor	< 0,08	< 0,08
Weight	82 kg	105,4 kg
Admissible collector angle	15 - 50°	15 - 50°
Stagnation temperature	220°C	220°C

Pressure loss diagram

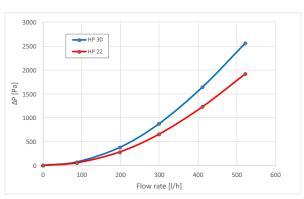


Diagram for water



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Connection sets

for HP collectors:

- Elbow coupling Ø 22 x ¾"
- Coupling with immersion sleeve and manual air vent Ø 22 x ¾"
- Double clamp coupling Ø 22

Туре	Remarks	Cat. no.
HP22 collector		721 310 006
Collector mirror HP22		721 310 007
HP30 collector		721 310 008
Collector mirror HP30		721 310 009
Connection set for 1 HP22/HP30 collector		300 010 140
Connection set for 2 HP22/HP30 collector		300 010 240
Connection set for 3 HP22/HP30 collector		300 010 340
Connection set for 4 HP22/HP30 collector		300 010 440
Connection set for 5 HP22/HP30 collector		300 010 540
Connection set for 6 HP22 collector		300 010 640
Connection set for 7 HP22 collector		300 010 740



Mounting set for **flat roof**



Mounting set for **sloped roof - flat surface**



Mounting set for **sloped roof - roof tile**



Mounting set for **sloped roof - corrugated surface**

Туре	Remarks	Cat. no.
Sloped roof mounting set for 1 col roof	tile HP22/HP30	650 160 024
Sloped roof mounting set for 1 col Plain	tile HP22/HP30	650 160 025
Sloped roof mounting set for 1 col - Corru	igated sheet HP22/HP30	650 160 026
Flat roof mounting set for 1 col. HP22		650 160 027
Flat roof mounting set for 1 col. HP30		650 160 028

