

SkyLine Solar Collectors

Product Specifications



Chromagen's SkyLine evacuated tube collectors are designed to efficiently collect the thermal energy from the sun in a variety of challenging conditions & applications, such as in cold regions that are prone to frost, in hard water areas and in commercial developments where high water temperatures are required.

Evacuated tubes utilise a vacuum which allow the collector to effectively retain the heat it has collected over night, even in the coldest conditions, and it also means higher water temperatures can be achieved. In an evacuated tube design, the collectors contain no water; therefore the water is not subjected to freezing which can lead to damage. They are ideal for hard water applications due to the large bore diameter of the single header pipe which reduces the effects of scaling and therefore restriction to water flow.

SkyLine collectors are constructed of carefully selected materials to provide outstanding performance. They are manufactured to ISO 9001 International quality standards so you can rest assured that the product engineering, production and performance is what you would expect from a Chromagen product.

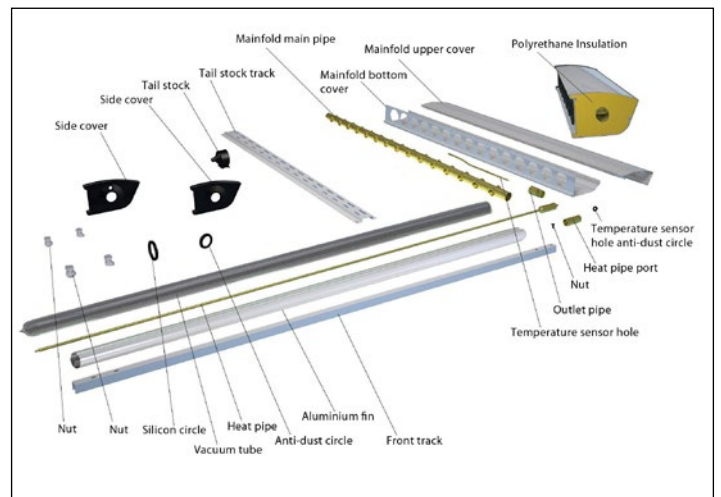
SkyLine collectors are available in 20 and 30 tube racks suitable for use with Chromagen's solar hot water storage systems for residential or commercial applications.

Special Features:

- Ultra-selective coating provides effective and efficient thermal absorption
- Large bore header pipe ensures reliability in hard water
- Vacuum within glass tubes ensure maximum heat retention in all climates
- Simple assembly & installation



Material Specifications	
Outer Tube & inner tube	Borosilicate glass
Heat pipe absorber	Copper
Inner tube absorber surface treatment	Ultra-selective coating
Medium between inner & outer tubes	Vacuum
Header pipe (not shown) insulation	Polyurethane, mineral wool foam
Header block	Black coated aluminium
Mounting Frame	Black coated aluminium



Physical Dimensions and Characteristics		
Model / Type	SR20 / Evac Tube	SR30 / Evac Tube
Total Height x Width x Depth (mm)	2025 x 1630 x 155	2025 x 2420 x 155
Number of tubes per collector rack	20	30
Length of tubes (mm)	1800	1800
Gross Area (m ²)	3.3	4.9
Aperture Area (m ²)	1.8	2.8
Absorber Area (m ²)	1.6	2.4
Outer diameter of cover tube (mm)	58	
Outer diameter of inner tube (mm)	47	
Cover tube glass thickness (mm)	1.8	
Collector Weight empty (kg)	66	106
Maximum Pressure (kPa)	1000	
Operating Pressure (kPa)	600	

Specifications are subject to change without notice.

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