

BlackMax Solar Collectors

Product Specifications



Chromagen's BlackMax collectors have evolved over many years to become a highly efficient and durable solar collector, designed to deliver hot water from the sun's free energy and significant energy savings to the owner. BlackMax collectors are constructed of carefully selected materials and are manufactured to ISO 9001 International quality standards to provide a cost effective collector that you can trust to perform year after year in the harshest of environments.

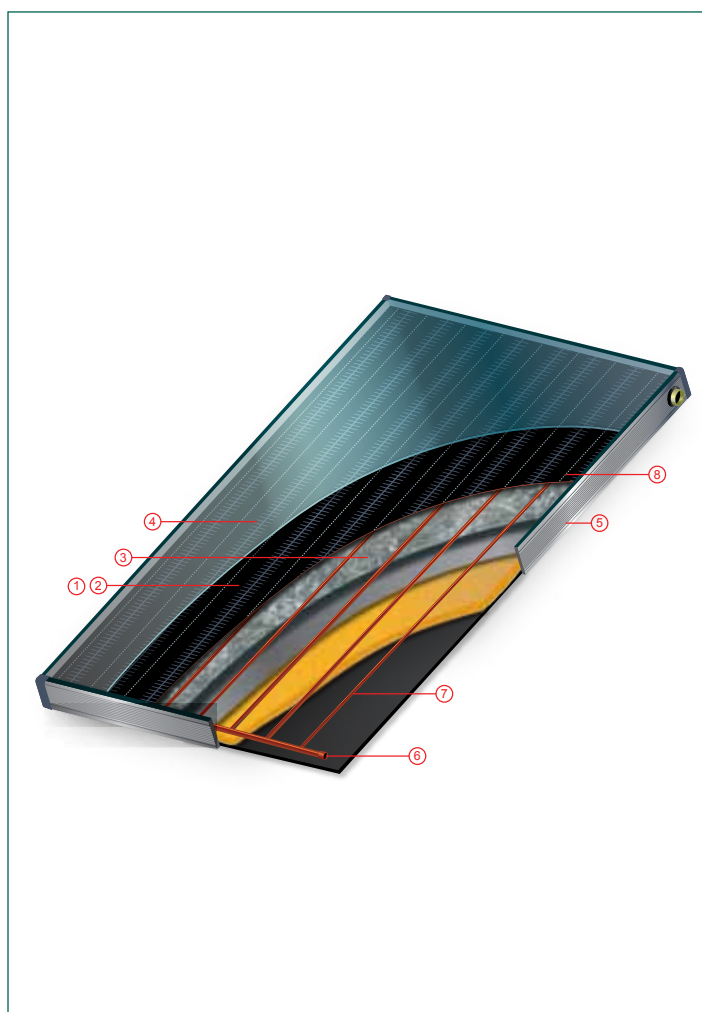
Special Features:

- Tubes and plates are ultrasonically welded together for a stronger bond and superior heat transfer properties
- The collector panel is constructed with robust steel frame and high quality coatings to ensure long performance life against the elements
- Manufactured to ISO 9001 International quality standards



Physical Dimensions and Characteristics	
Model / Type	CR110BP / Flat plate collector
Height x Width x Depth (mm)	2187 x 1072 x 90
Aperture Height x Width (mm)	2149 x 1042
Gross Area (m ²)	2.3
Aperture Area (m ²)	2.14
Absorber Area (m ²)	2.05
Cover Thickness (mm)	3.2
Nominal Collector Weight empty (kg)	37
Max Temperature of Operation	160
Maximum Pressure (kPa)	1000
Manifold Diameter (mm)	22.23
Tube diameter or channel dimensions (mm)	12
Heat Transfer medium	Water / Glycol
Fluid content (litres)	3.56

Material Specifications:		
1	Absorber plate	Aluminium
2	Absorber Surface Treatment	Selective Black Paint
3	Insulation material	Polyurethane
4	Panel Cover Material	Low iron, tempered glass
5	Casing Material	Black Anodised Steel
6	Frame	Black anodised steel
7	Tube grid material	Copper
8	Riser material	Copper
Construction Type		Ultrasonically welded fins
Flow Pattern		Parallel grid



Specifications are subject to change without notice.

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