

1 | Absorber Plate

Made of copper or aluminum sheet, laser or ultrasonically welded to copper tubes, ensuring high efficiency and durability.

2 | Absorber Plate Coating

Selective paint or ultra selective sputtered coating with excellent energy absorption and very low energy emission for high performance even in cooler climates.

3 | Insulation

The absorber plate is encased in 23 mm rigid polyurethane foam, with an option to additional layer of glass wool, retaining the collector's heat.

4 | Solar Glass Glazing

The single-pane 3.2 mm patterned and tempered solar glass has high solar transmittance of 91% and excellent durability.

5 | Casings

A. Aluminum anodized aluminum extrusion casings are made of solid construction available in a natural or black color.

B. Galvanized steel casings are available in black, gray or white polyester paint finish.

6 | Tubing Grid

16 mm or 8 mm copper risers brazed to 28 mm or 22 mm copper manifolds with optimal flow distribution.

7 | Piping Connection

Four 3/4" BSPP female brass adaptors or clear cut edge for connector brazing.

8 | Back Plate

The back plate is made of black polypropylene sheet.

9 | Aluminum Foil

The aluminum foil, integrated to the insulation, acts as a barrier against out-gassing.

Specifications of Chromagen Collectors

Collector Size	Y		K		D		E		F		W		U		Z	
Risers Diameter [mm]	8	16	8	16	8	16	8	16	8	16	8	16	8	16	8	16
Gross Area [m ²]	1.41		1.65		2.02		2.34		2.77		2.96		3.71		3.12	
Aperture Area [m ²]	1.25		1.52		1.85		2.15		2.56		2.73		3.44		2.93	
Length [cm]	181		181		189		218		218		247		309		246	
Width [cm]	78		91		107		107		127		120		120		127	
Weight [KG]	21	23	26	28	30	33	34	37	39	43	44	49	53	59	46	54
Fluid Capacity [L]	0.8	2.2	1	2.7	1.2	3.2	1.3	3.6	1.5	4.1	1.7	5.3	1.9	6.3	2.1	6.8
Thickness [cm]	9															

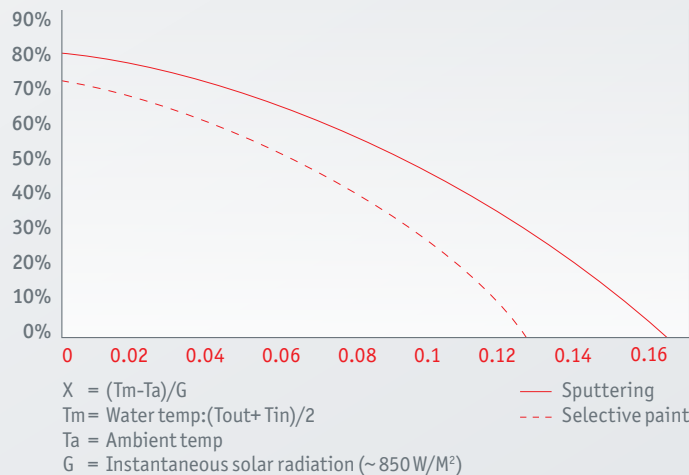
• Collectors test pressure: 12 bar • Maximum collectors operation pressure: 8 bar

Coating Specifications

	Absorptance	Emissivity	Stagnation Temp
	α	ϵ	@1000W/m ² & ambient temp 30°C
Selective paint	0.9	0.45	170°C
Black chrome	0.95	0.12	180°C
Sputtering	0.95	0.05	205°C

• Due to on-going development, specifications are subject to change without notice

Collector Efficiency



SOLAR COLLECTORS

Chromagen has fine-tuned the design and manufacture of solar collectors to an art. Collectors are assembled using quality materials and advanced techniques, which result in highly efficient, durable products you can depend on for years to come. The products are environmentally friendly, remarkably versatile and offer high performance even in extreme environments. The wide range of solar collectors enables Chromagen to provide cost-effective solutions which comply with a variety of international standards.



www.swhbelize.com

About Us

Chromagen, a pioneer in the production of solar water solutions since 1962, is the market-leader in Israel, which leads the world in per capita installations. Globally, the company has developed a solid install base, increasing supply and demand annually. Chromagen's systems, which are available in more than 35 countries worldwide, bring innovation, quality and cost savings to home owners, institutions and commercial projects. The commitment to deliver top-of-the-line water-heating solar solutions is in conjunction with the belief to promote environmental awareness.



Best-in-class
clean hot water solutions



Environmental health



Energy efficiency



Customer service



Product innovation

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