



CHROMAGEN

All-Copper Solar Collectors

COPPER FINNS ULTRASONICALLY WELDED TO COPPER RISERS

CHROMAGEN has fine-tuned the design and manufacture of solar collectors to an art. Collectors are assembled using the highest quality materials and advanced techniques, which result in highly-efficient, durable products you can depend on for years to come.

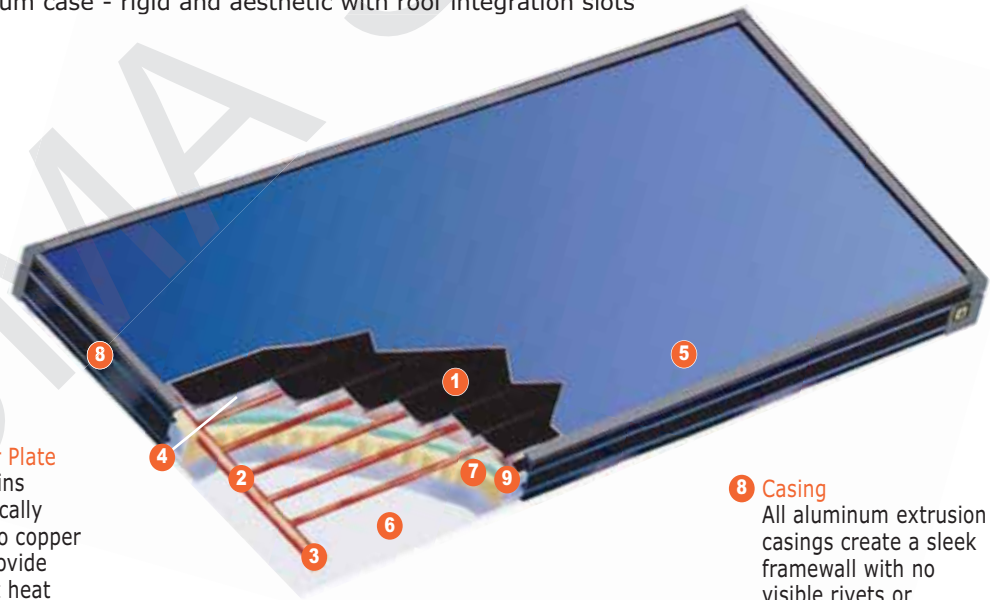
Our products are environmentally friendly, remarkably versatile and offer high performance even in extreme environments. CHROMAGEN panels are suitable for all kinds of hot water systems and provide consistent results under any weather conditions.

Selective coated collector combining all known effective features:

- Best selectivity - high absorption and low emissivity
- No galvanic corrosion
- Ultrasonic welding of copper strips to risers - high fin efficiency
- Aluminum case - rigid and aesthetic with roof integration slots

Solar energy products generate no pollution and cause no damage to the environment.

CHROMAGEN'S product efficiency and quality are regularly tested by Standards Institutes in the EU and worldwide.



1 Absorber Plate
Copper fins ultrasonically welded to copper risers provide excellent heat transfer between the fins and risers. Coated with black chrome on nickel and producing a superior selective surface highly efficient for solar energy use.

2 Tubing Grid
 $\frac{3}{8}$ " copper risers brazed to 1" copper manifolds with an optimal flow distribution.

3 Piping Connection
Four 1" Type M copper tubes.

4 Aluminum Foil
Attached to the insulation, acts as a barrier against out-gassing.

5 Solar Glass Glazing
A single pane of $\frac{1}{8}$ " thick solar glass is patterned to reduce reflection and tempered to maximize strength and durability.
*Iron oxide content: 0.03%

6 Back Plate
Made of Black Polypropylene sheet.

7 Insulation
 $1\text{-}\frac{3}{16}$ " polyurethane foam cast under and around the side of the absorber plate, retains the heat of the water in the collector. DFC-free P.U. meets U.S. and European standards. A $\frac{3}{4}$ " layer of mineral wool protects the polyurethane and provides additional collector insulation.

8 Casing
All aluminum extrusion casings create a sleek framewall with no visible rivets or screws. A unique extruded profile bolts on an anchors to the roof (shingled, tile, tar) or collector stand.

9 Gaskets
All-around EPDM gasket. Highly resistant to temperature differences and UV radiation. Absorbs the differential expansion of frame and glazing.

Solene
SOLAR HOT WATER SYSTEMS

Specifications



Model	SLCR26	SLCR30	SLCR32	SLCR40
Gross area (sq. ft.)	25.85	30.29	31.98	40.06
Net aperture area (sq. ft.)	23.70	28.07	29.69	37.34
Ratio net/gross area	.91	0.93	0.93	0.93
Length (in.)	86-1/2	86-1/2	97-7/16	121-5/8
Width (in.)	43	50-3/8	47-1/8	47-3/8
Thickness (in.)	3-5/8	3-5/8	3-5/8	3-5/8
Weight (lbs.)	97	110	108	152
Fluid capacity (gall.)	0.9	1.08	1.19	1.32
Recommended flow rate (gpm)	0.7	0.7	0.7	0.7
Test pressure (psi)	300	300	300	300
Operating pressure (psi)	145	145	145	145

Due to ongoing development, specifications are subject to change without notice.

Efficiencies

Ratings	SLCR26	SLCR30	SLCR32	SLCR40
Low temp (95° F)	27,400	32,400	34,300	43,100
Intermediate (122° F)	22,400	26,500	28,000	35,200
High temp (212° F)	4700	5,500	5,800	7,300
Efficiency equation	73.6-95 (Ti-Ta)/I	73.6-95 (Ti-Ta)/I	73.7-94 (Ti-Ta)/I	74.0-95 (Ti-Ta)/I

Ti = Water temperature (T out - T in)/2 F°

Ta = Ambient temperature F°

I = Solar radiation Btu/hr/ft²

Efficiency ratings as measured by the Florida Solar Energy Center (FSEC).



OG-100 Collector approved
OG-300 System approved



Authorized Dealer:



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