



Corona™ Solar Collectors by Solene™

TECHNOLOGICALLY ADVANCED ENGINEERING FOR MAXIMUM PERFORMANCE

CORONA Solar Collectors are the most technologically advanced collectors on the market today. CORONA features the highest quality materials & state-of-the-art engineering to provide maximum efficiency & durability you can depend on for years to come.

CORONA collectors are environmentally responsible, non-polluting and reliable in any environment. CORONA panels are an important element of any hot water system, producing dependable results under any weather conditions.



1 Absorber Plate
Utilizing a state-of-the-art ultrasound weld, copper fins and risers provide superior thermal connectivity between the fins and risers. Revolutionary coating is black chrome on nickel, producing a premium selective surface with maximum efficiency for solar energy use. Absorbability = 0.95

2 Tubing Grid
 $\frac{3}{8}$ " copper risers are brazed to 1" copper manifolds for 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
Fiberglass Backing: Reduces torque in the frame, is lightweight and eliminates the possibility of any electrolysis issues for maximum benefit.

7 Insulation
1- $\frac{3}{16}$ " 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.

8 Casing
All aluminum extrusion casings create a sleek framewall. Unique extruded profile allows easy anchoring to the roof (shingle, tile, tar) or collector stands.

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
927 Fern St., Suite 1500
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Toll Free 1-866-902-0060
www.solene-usa.com



The best investment under the sun!



Specifications

Model	SLCO-30	SLCO-32	SLCO-40
Gross Area (sq. ft.)	24.51	31.78	38.87
Net Aperture Area (sq. ft.)	23.46	30.53	37.44
Ratio Net/Gross Area	0.95	0.95	0.95
Length (in.)	74.4"	96.48"	117.96"
Width (in.)	47.4"	47.4"	47.4"
Thickness (in.)	3.96"	3.96"	3.96"
Weight (lbs.)	77.8	105.8	132.2
Fluid Capacity (gal.)	0.6	0.8	1.05
Recommended Flow Rate	0.7	0.7	0.7
Test Pressure (psi)	300	300	300
Operating Pressure (psi)	145	145	145

Efficiencies

Ratings	SLCO-30	SLCO-32	SLCO-40
Low Temp (95° F)	28,700	37,300	45,700
Intermediate Temp (122° F)	23,800	30,900	37,900
High Temp (212° F)	10,300	13,400	16,400
Btu per Square Foot	970	974	976
Efficiency Equation	78.2-81 (Ti-Ta)/I	78.5-81 (Ti-Ta)/I	78.7-81 (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).



0G-100 Collector Approved
0G-300 System Approved



Authorized Solene Dealer

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