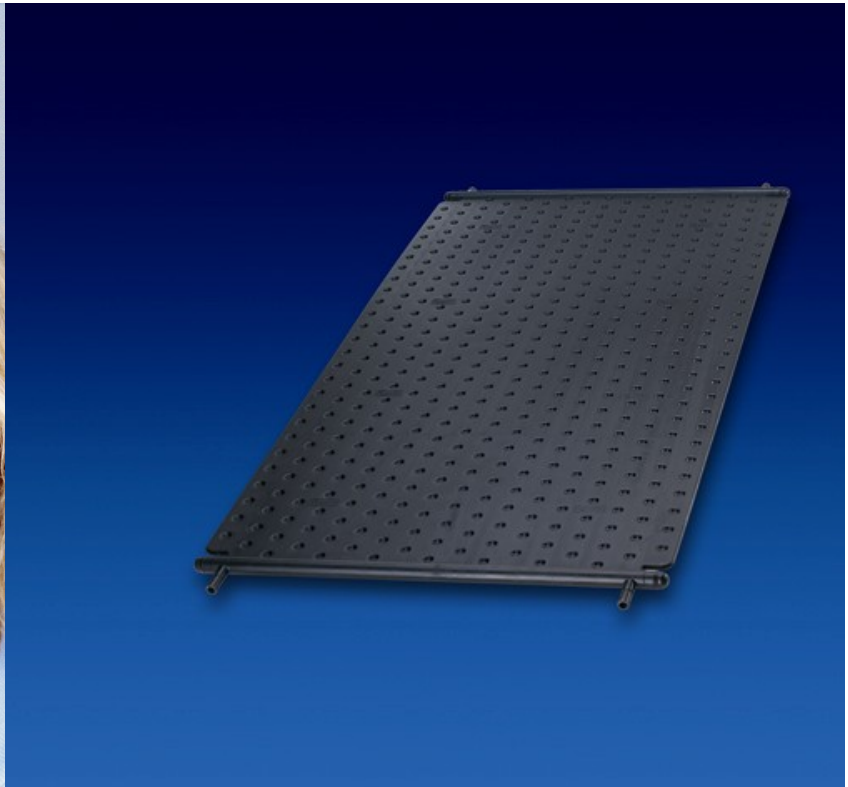




Roth HelioPool Solar Collector

...especially designed for swimming
pool heating



Call 866-943-7256 or visit our web site at www.roth-usa.com

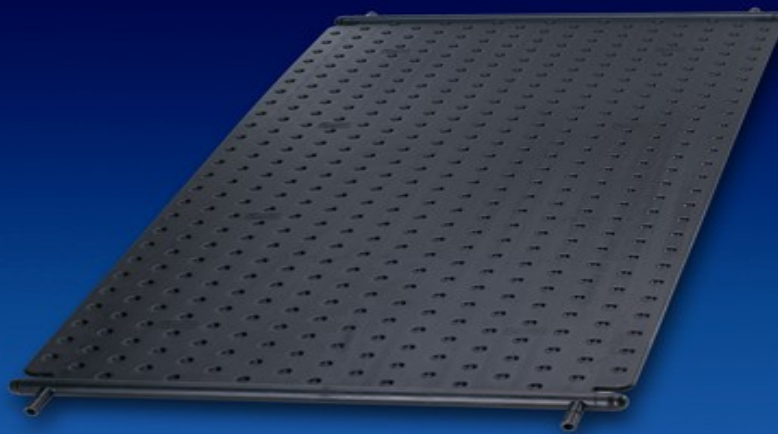
Heating swimming pool water with the sun ...environmentally friendly and economical

As a specialist in plastic processing, Roth developed the HelioPool swimming pool solar heater for environmentally friendly and energy saving heating of your pool. Blow molded from rugged high density polyethylene (HDPE), the headers on the collector are integrally molded into the body thereby eliminating any potential for leaks. The seamless construction means that the only joints are the field-made connections between collectors utilizing Roth's unique and revolutionary header system.

Unlike other collectors utilizing headers in only one direction, the Roth HelioPool features connections in all four directions thereby allowing a bank of collectors to be assembled in an array that optimizes the space available for mounting the collectors while minimizing piping and field joints. Installation is fast and easy with the Roth HelioPool header system.

The Roth HelioPool features a convenient collector size of 24 SF as well as high solar efficiency due to the dimpled pattern which provides significant turbulence of the water ensuring maximum heat transfer. The Roth HelioPool is fully flooded, walkable, frost-proof and suitable for direct contact with all pool water. The rugged and rigid nature of the HDPE ensures that the collectors will not be damaged by hail, tree branches or incidental contact with the tools commonly used for installation.

Direct Solar Heating of Swimming Pool Water



■ Roth HelioPool

■ Roth connection set 1
1/2" HelioPool



■ Roth end plug set 1"
HelioPool



■ Roth connection set
1" HelioPool





Convenient and unique manifold system

System Sizing Considerations

In most areas of the country the solar panel array should be at least 60% of the surface area of the pool. Other factors increasing the amount of panels necessary include shaded or screened pools, wind and available orientation of the solar panel array. South is the preferred orientation and full East to full West orientations are permissible. The use of a solar blanket during night and non-swimming times is highly recommended.

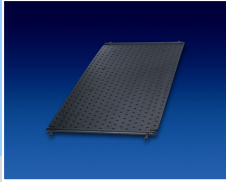


The Roth technical department can assist you with a computer modeling for your actual site conditions. Both automatic and manual configurations are possible depending on design and site conditions.

Technical Specifications Roth HelioPool

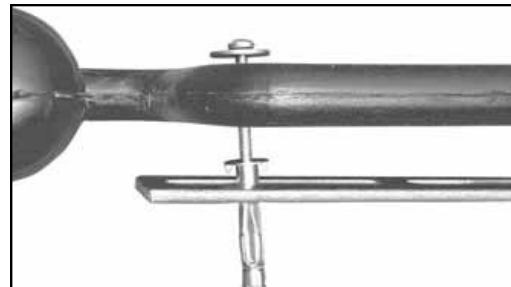
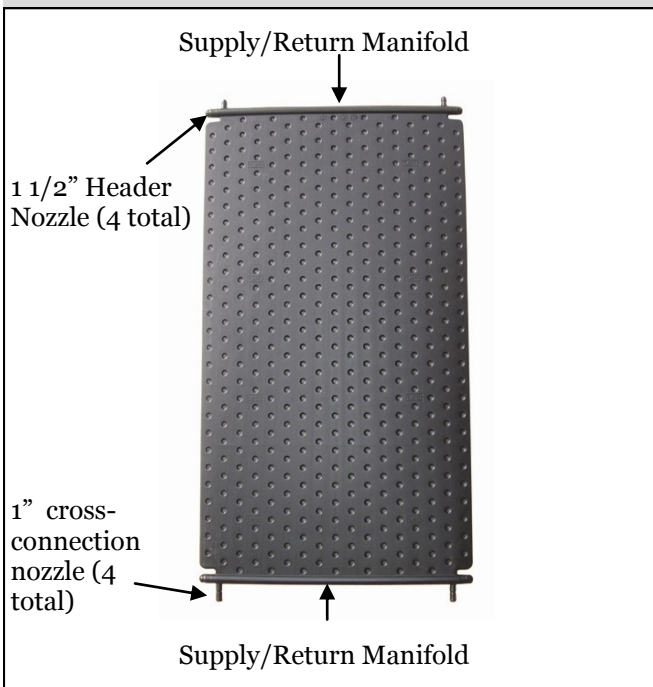
Length	78 3/4"
Width	43 3/4"
Height	5/8"
Gross Surface Area	24 SF
Weight	31 lbs
Fluid Capacity	4 Gallons
Connections	4- 1" and 4- 1 1/2"
Max. Pressure	43.5 psi
Max. Operating Pressure	14.5 psi +/- 2 psi
Material	HDPE (black)
Quantity of collectors for horizontal connection (max.)	8 (1 x 8 Array)
Quantity of collectors for vertical connection (max.)	4 (up to a 4 x 4 Array)
Flowrate	Up to 4 GPM per panel

Roth Swimming Pool Collector



Roth HelioPool Solar Collector at a glance

- Only 1 collector type for all installation applications 8 variable outlets are available on the collector
- Optimal collector size of 24 SF
- Horizontal or vertical installation matrices possible
- High degree of efficiency
- Fully flooded, frost proof and walkable
- High quality collector material made of HDPE in black
- Low pressure loss due to special absorber construction
- Cost-efficient solution for swimming pool heating
- Can directly be flooded with swimming pool water
- Complete system including attachment connections and regulation
- Approved according to EN 12975 (US certifications pending)



Convenient anchoring system.
No straps!

Distributed By:

Roth

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