

Solar Pool Heating Systems

State of the Art Solar Technology –
Production Techniques that Surpass All Others

MAGEN **eco-ENERGY** is the **NUMBER 1 WORLD LEADER** of Solar Collection Heating Systems. We supply five continents and over one-third of the USA market with Residential and large Commercial pool heating solutions.

MAGEN systems are safe, clean, and produce environmentally friendly energy, which drastically reduces high fuel costs.



caring for the world we live in.

MAGEN
eco-ENERGY

MAGEN's Polymer Solar Collectors are produced by a unique, patented **Over-Molding Injection Technology**, resulting in seamless, leak-proof molded thermoplastic units. These units heat large bodies of water at low and medium temperatures by collecting and retaining sun radiation.

Unique Features

Warranty: Limited 10 years warranty

Advanced Design: A fully automatic process of solar collection using a differential controller and temperature sensors for perfect pool temperature control

Our two leading brands are **Heliocol** and **Sunstar**.

Single Surface Penetration: An innovative plastic pad installation method minimizes roof and other surface penetration

Installation: Simple, smooth procedure. No need for any special infrastructure, hoses or clamps. Modular construction designed in exact accordance with pool's energy requirements

High reliability: The pump is the only dynamic element of the system

Heliocol®

Constructed in a totally cylindrical shape that reduces stress concentration, minimizes risk of bursting caused by high pressure. Heliocol collectors are accompanied by our specially engineered Alligator Clamps, designed to firmly mount the collectors to any surface (roof, fence, wall, rack) with minimal penetration.



Sunstar®

The unique SunStar solar collectors have a distinctive appearance and a one-of-a-kind appeal. The square manifold header assures tight fastening and mounting of the panels to the roof via our specially designed SunStar Mounting Pad, which offers simple and fast assembly and is nearly invisible after installation.



Polymer Solar Collectors - Added Value:

- Extremely Economical - significant savings in conventional fuels (reduced costs, minimized pollution)
No regular maintenance costs. Estimated ROI between 1 – 3 years
- Chemically resistant: excellent durability to withstand

swimming pool chemicals – non-corrosive and no lime scale build-up

- Stabilized against effects of Ultraviolet radiation, extreme weather conditions and aging
- Very light weight. No need for periodic cleaning

Solar Heat Kit

A complete **compact solar heating system** in a "Do it Yourself" kit, for efficiently heating **small above-ground** swimming pools. The standard size (120cm X 650cm) provides the exact amount of energy needed for an average sized pool. More panels can be added to handle larger pools. Easy to install, handle and store.

