



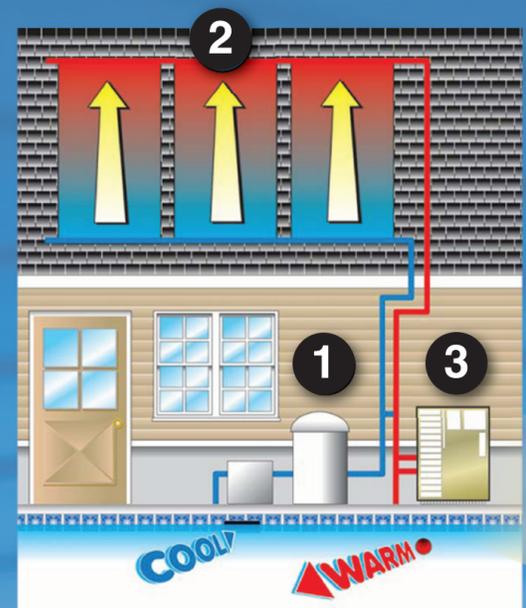
## Experience the Warmth of the Sun

You have a significant investment in your pool and every month you invest more for maintenance like chemicals and electricity for the filter pump. If you don't currently heat your pool, an Ultrasun Solar Pool Heater will let you enjoy your own heated pool longer. If you already know how great a heated pool can be, you can reduce or even eliminate your heating costs. Your existing fossil-fuel heater will even work with an Ultrasun Solar Pool Heater to provide you with economical anytime heat.

Whether it's family fun, poolside entertaining, a healthy early morning swim or a relaxing late-night dip, heating your pool with an Ultrasun Solar Pool Heater means more of everything.

Commercial pools, such as those found at hotels, resorts, apartment complexes, homeowners associations, health clubs, camps and schools are perfect candidates for solar pool heating, since owners and operators have no choice but to keep their pools at a comfortable temperature.

## How Ultrasun Harnesses the Power of the Sun



- 1 Select your desired high-limit temperature on the system's automatic control.
- 2 Using your existing pool pump & filter, a motorized valve diverts pool water to the solar panels.
- 3 Your pool water moves through the solar panel, absorbing the sun's free heat before returning to your pool.

In a Hybrid Pool Heating System an existing fossil-fuel heater can work in conjunction with solar, giving you the ultimate in swimming comfort control.

## Lessons Learned: Solar Collector Design Evolution

70's

**Square Tube-on-Tube;** Early efforts drew from existing technologies. A square tube-on-tube was easy to manufacture, but resulted in poor performance and was subject to buckling and tube separation.

80's

**Round Tube-on-Tube;** The next attempt tried round instead of square tubes. Performance was increased, but the design was still plagued with buckling from expansion and contraction.

90's

**Loose Tube Design;** Taken from the industrial process heat industry, separate tubes designed to lose heat were held together by simple plastic clips which allowed the collector to shift. The loose tubes also collected debris and performance suffered as wind passed through the tubes.

Nearly forty years ago a small group of engineers had a thought—someday, heating a pool with a conventional fossil-fuel heater will become a luxury we can no longer afford. But, as most pool owners will tell you, an unheated pool is an unused pool.

The group began work on what would become the first long lasting, cost-effective polypropylene solar heater for swimming pools.

With its unique design, it received the first patent ever awarded for a sun-tracking "tube and web" solar collector.

Modern Plastics Magazine heralded the design and manufacturing process as a "new concept" in the use of polypropylene for such an application.

## Innovation for the 21st Century and Beyond...

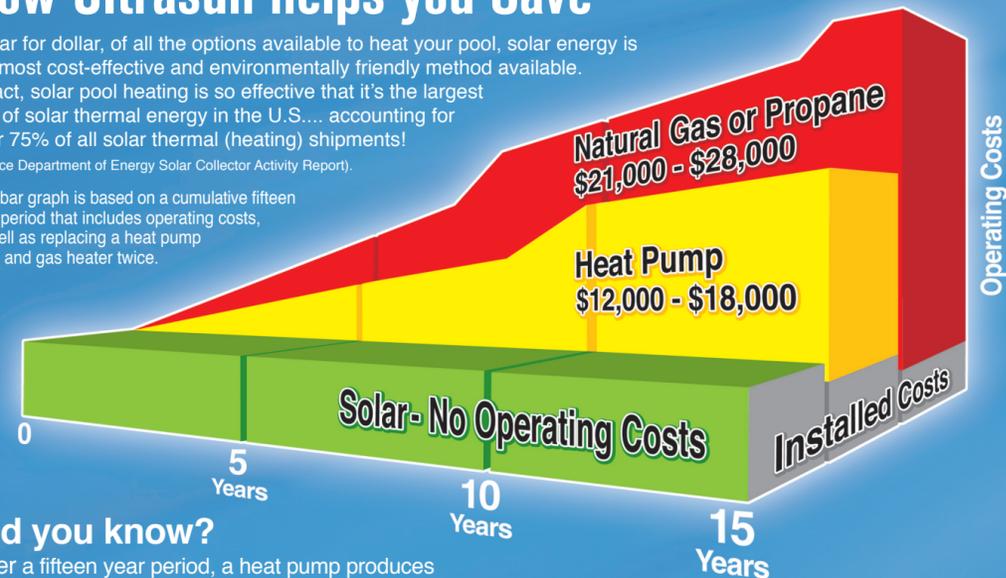
Today, with technology and the lessons learned from thirty-five years of pool heating experience, the engineers at Aquatherm Industries, have developed Ultrasun with its vented tube-and-web design and multi-plate construction.

## How Ultrasun helps you Save

Dollar for dollar, of all the options available to heat your pool, solar energy is the most cost-effective and environmentally friendly method available. In fact, solar pool heating is so effective that it's the largest use of solar thermal energy in the U.S.... accounting for over 75% of all solar thermal (heating) shipments!

(Source Department of Energy Solar Collector Activity Report).

This bar graph is based on a cumulative fifteen year period that includes operating costs, as well as replacing a heat pump once and gas heater twice.

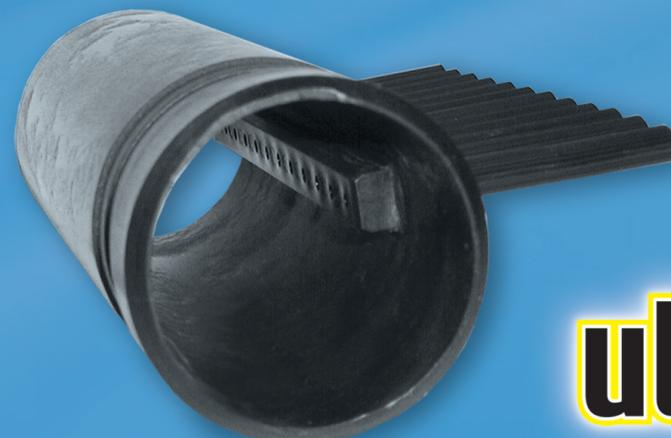


### Did you know?

Over a fifteen year period, a heat pump produces **195,000 pounds of CO<sub>2</sub>** and a natural gas heater produces **360,000 pounds of CO<sub>2</sub>**. In contrast, solar produces **ZERO** harmful emissions to our environment.

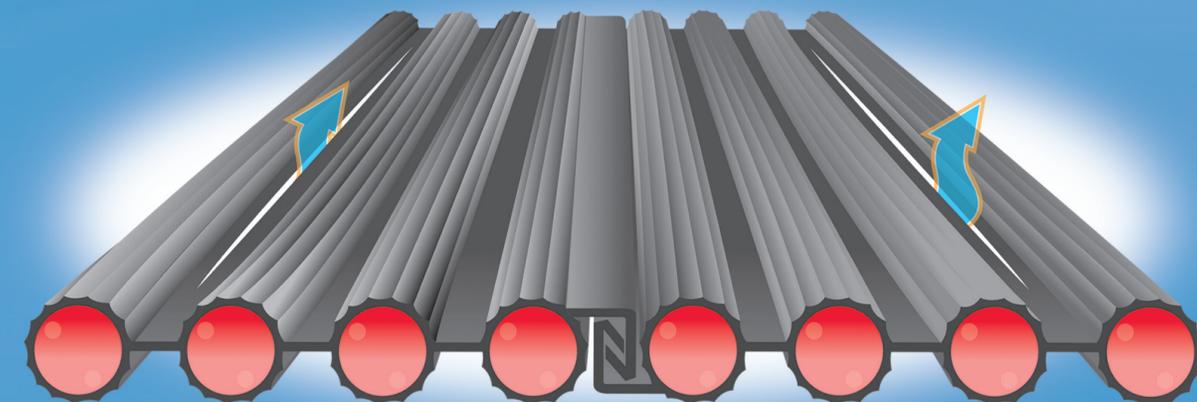
## Trust the Ultrasun System from Aquatherm

With one international and three US patents, the Ultrasun Solar Pool Heating System is the most advanced solar pool heater available today. The Ultrasun "insert-molding process" is a dramatic change from the way solar collectors have been built for more than 40 years. The "stem block" is permanently embedded in a glass-reinforced manifold that eliminates any concerns over premature failure and unbalanced flow.



Heat transfer is maximized by precisely controlling the water flow to each tube while minimizing stress at the header connections - even in today's high-rate filtration systems.

**ultrasun**<sup>TM</sup>



The unique fluted surface design provides over 10% more collector surface area, earning Ultrasun the highest performance rating of any vented solar pool heating collector (independently tested and certified by the Florida Solar Energy Center.) Ultrasun's durable multi-plate design relieves the stresses placed on the collector caused by thermal expansion and contraction.

Used with our stainless steel Eagle Claw<sup>TM</sup> mounting system, only Ultrasun combines the strength and high performance of a full plate collector with the benefits of roof ventilation and reduced wind load during adverse weather conditions. Ultrasun is a solar pool heating system for the 21st Century that is unmatched in quality, value and performance.



# Relax... You've Chosen The Very Best!

Aquatherm Solar Pool Heaters are the Preferred Choice for:

## POOL BUILDERS



New Construction - Marietta, GA

## COMMERCIAL POOLS



Terra Vita Golf Community - Arizona

## HOTELS & MOTELS



Sandcastle Resort - Virginia Beach, VA

## OUR U.S. MILITARY



Eglin Air Force Base - Valparaiso, FL

and OVER HALF-A-MILLION POOL OWNERS

...JUST LIKE YOU!



Today, Aquatherm Industries manufactures the most trusted brands of collectors in the solar pool heating industry. All material is processed and assembled under one roof at our 50,000 square-foot facility in Lakewood, NJ. This "pellets to pallets," vertically integrated approach gives us total quality control, and assures collectors and components of the highest quality. Our success has been built around the strength of our international network of Dealers and Distributors. Our solar heating systems can be found on over 500,000 pools around the world, helping pool owners to maximize their season – as well as their investment in a swimming pool.

Aquatherm's Dealer Network is the strongest and most comprehensive in the industry, and continues to set the standard for quality installations and customer satisfaction. Aquatherm Dealers are backed by unprecedented factory-support as well as the support from our Regional Distribution Centers. With Dealers throughout the United States and worldwide from Australia to Europe, the sun is always shining on an Aquatherm Solar Pool Heating System.

Proud member of the following industry associations:



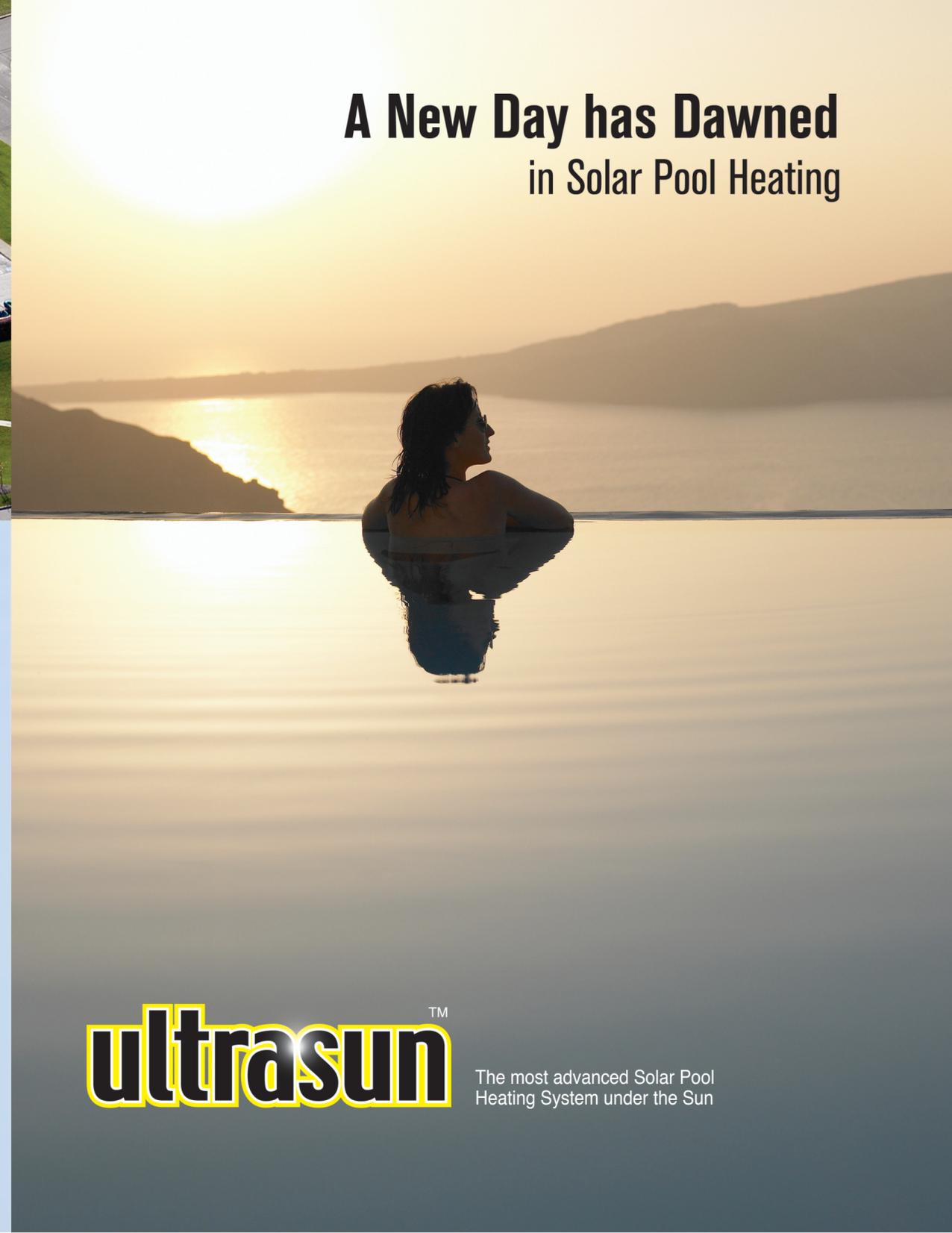
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www.ultrasunsolar.com

Available through:

# A New Day has Dawned in Solar Pool Heating



The most advanced Solar Pool Heating System under the Sun