



iSWIM™
Solar Pool Heaters





investment OPTIMIZED

Owning a swimming pool is a substantial investment in up-front cost and ongoing maintenance yet the majority of the year it serves as nothing more than an enjoyable view because it's simply too cool to enjoy. A warm pool is inviting, a cold pool is not. Today's pools cost many thousands of dollars to purchase and an average of \$100 - \$150 a month to simply maintain their cleanliness.* Many pool owners either don't want to, or can't afford to add more cost by purchasing and then using a traditional pool heater. When utilized, these heaters can easily double the monthly cost of pool ownership.

*Based on cost of pump operation, chemical cost, cleaning costs and routine maintenance.

 **iSWIM**TM is the answer.



man & energy HARMONIZED



Traditionally man has burned fossil fuels to make power. Today we are seeking more responsible alternatives to provide the same quality of life. When it comes to heating your pool, the answer is simple. Absorbing free, natural energy from the sun not only makes more sense than traditional methods, it's more economical. The total cost of owning electric, gas or propane pool heaters will be two to three times higher than the cost of owning an iSwim solar pool heater. In fact, your iSwim solar system will easily pay for itself in fuel savings alone in just a few short years.



extended PLEASURE



In the warm summer months, your pool can be an oasis. It can be relaxing, refreshing, or it can be a tool to zap the energy right out of your kids from the safety of your own backyard. The average swim season for most families is pretty short however; 3-5 months depending upon your location. So the oasis seems to dry up shortly after it arrives. Then you literally pay the price of ownership while getting nothing in return.



Why not break the cycle of short swim seasons and ensure the jealousy of your friends and neighbors? You can substantially extend that warm summer sun with an iSwim solar pool heater without adding any cost of operation. Properly sized, an iSwim solar pool heater can double your swim season. So keep on relaxing, playing, lounging and partying in your swimming pool while your neighbors prepare for winter. Fire up the Bar-BQ and extend the summer while you enjoy an ice cold beverage in your warm solar heated pool.

**jealousy
ENSURED**



excellence EXPLAINED

Solar Hydronics Corporation has been in the solar pool heating industry since 1977. Since our inception we've seen many manufacturers come and go. SHC has always remained one of the world's premier solar pool collector manufacturers because of our relentless pursuit of perfection. As advancements in manufacturing technologies continue to emerge, SHC has led the way in modernizing our factory, our product engineering and design and therefore the quality of our products.

We focus on three critical categories to reach our unmatched final results. First is the overall performance of the iSwim solar collector as a pool heater. Second is iSwims' reliability which is directly linked to superior engineering and manufacturing techniques. And third is extending the collectors life expectancy by engineering the product to withstand the rigorous conditions they undergo in the field. Many of our unique features come as a result of our focus on this final category. They aren't flashy features but they ensure that we build the best solar pool heater in the world.



Superiority Visualized

All solar collectors are composed of two main parts: the header, which spans the top and bottom of the collector and controls water flow to and from the second main part: the absorber surface; which is the water heating body of the collector. A group of collectors connected together is referred to as an array, which is then connected to your existing pool pump to create your iSwim solar pool heating system.

Fluted tubes have multiple ridges all along their outer surface which increases the surface area of each tube, allowing them to gather more of the sun's energy. So naturally, iSwim absorbs more heat than a smooth, non-fluted, more reflective collector.

tube-on-fin ABSORBER

With nearly 40 years of proven performance, iSwim's tube-on-fin absorber design has been confirmed to be the best for its overall performance and durability. The fin, or connection between each tube, captures the sun's heat and transfers it to the tubes while allowing the collector to naturally expand and contract without adding pressure to the water carrying tubes.

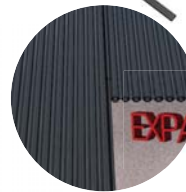
iSwim's over molded header not only creates a superior bond, it also eliminates restrictions of water flow as the water moves from the header through the absorber surface. With no restrictions, the water flows uninhibited through the solar collector and back into your pool producing a more efficient solar system.



iSwim's unique header anchoring system enables your solar collector array to be mounted more securely into roof rafters rather than the roof decking. Each collector is cradled in a manner that will allow for stress-free natural expansion and contraction of the array.



For further anchoring, iSwim uses a unique strap anchor system that spans the entire array providing additional wind load strength. Based on iSwim's exclusive design, it is the only solid surface collector that can be anchored into the roof rafters at every point enabling the most secure installation.



iSwim collectors feature interlocking, flexible expansion joints approximately every six inches across the four-foot width of the absorber to further allow for natural expansion and contraction eliminating buckling and binding stresses caused by potential temperature variances between collector absorber sections.



functionality SIMPLIFIED



iSwim connects seamlessly to your existing pool pump and filter and is controlled by an automatic controller. All you have to do is set your desired pool temperature and let iSwim do the rest.

1. The automatic controller senses when your pool is cooler than you prefer, and there is adequate sunlight to heat your pool.
2. Water is diverted from your existing pool pump & filter up to your collector array.
3. As the water flows through the array, it is heated by the sun and returned to your pool.

This cycle continues until the pool reaches your desired temperature. Once the pool is perfectly heated, the automatic controller stops redirecting water to the array.

You can also cool your pool during warmer months by running the solar system at night. Try that with a conventional heater!