

SwimMaster
PLUS




More than 30 years ago

a raw material blend of polypropylene copolymer, synergistic antioxidants and ultraviolet stabilizers was developed as the material of choice for constructing long lasting, cost effective solar pool collectors. While this original formula has seen little change, several variations in solar collector design have been implemented over the years. When creating SwimMaster Plus solar pool collectors, the leading engineers at Solar Hydronics Corp. blended together some of the most effective and time-tested design elements with modern state-of-the-art manufacturing techniques.

1. Roof Mount
2. Absorber surface
3. Over-molded header





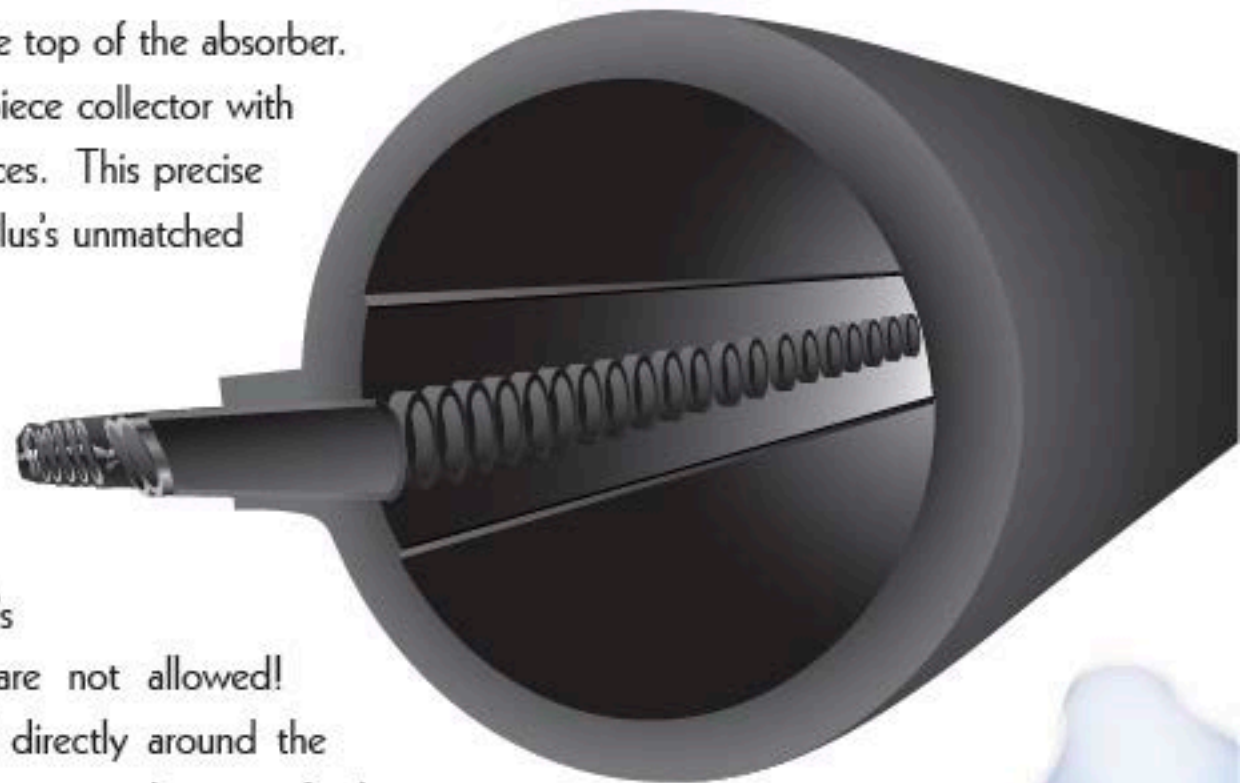
Double your swim season

Absorbing free energy from the sun rather than from fossil fuels to heat your pool is the most responsible choice. The total cost of ownership for electric, natural gas or propane pool heaters will be two to three times the cost of owning a solar pool heater. By using solar energy, you'll not only enjoy your comfortably warm pool more often, you'll also feel good that you're heating it with 100% renewable energy.

SwimMaster Plus utilizes today's

most advanced molding technology to create a one-piece over-molded header. The header is the manifold that carries your pool's water to and from the absorber surface. Traditionally, headers are welded to the absorber. These welds weaken as the collector naturally ages. Not with SwimMaster Plus. When manufactured, raw material is forced into a mold under intense pressure and high temperature to form the header directly over the top of the absorber. This bond creates a solid one-piece collector with virtually no manufacturing variances. This precise process leads to SwimMaster Plus's unmatched durability and performance.

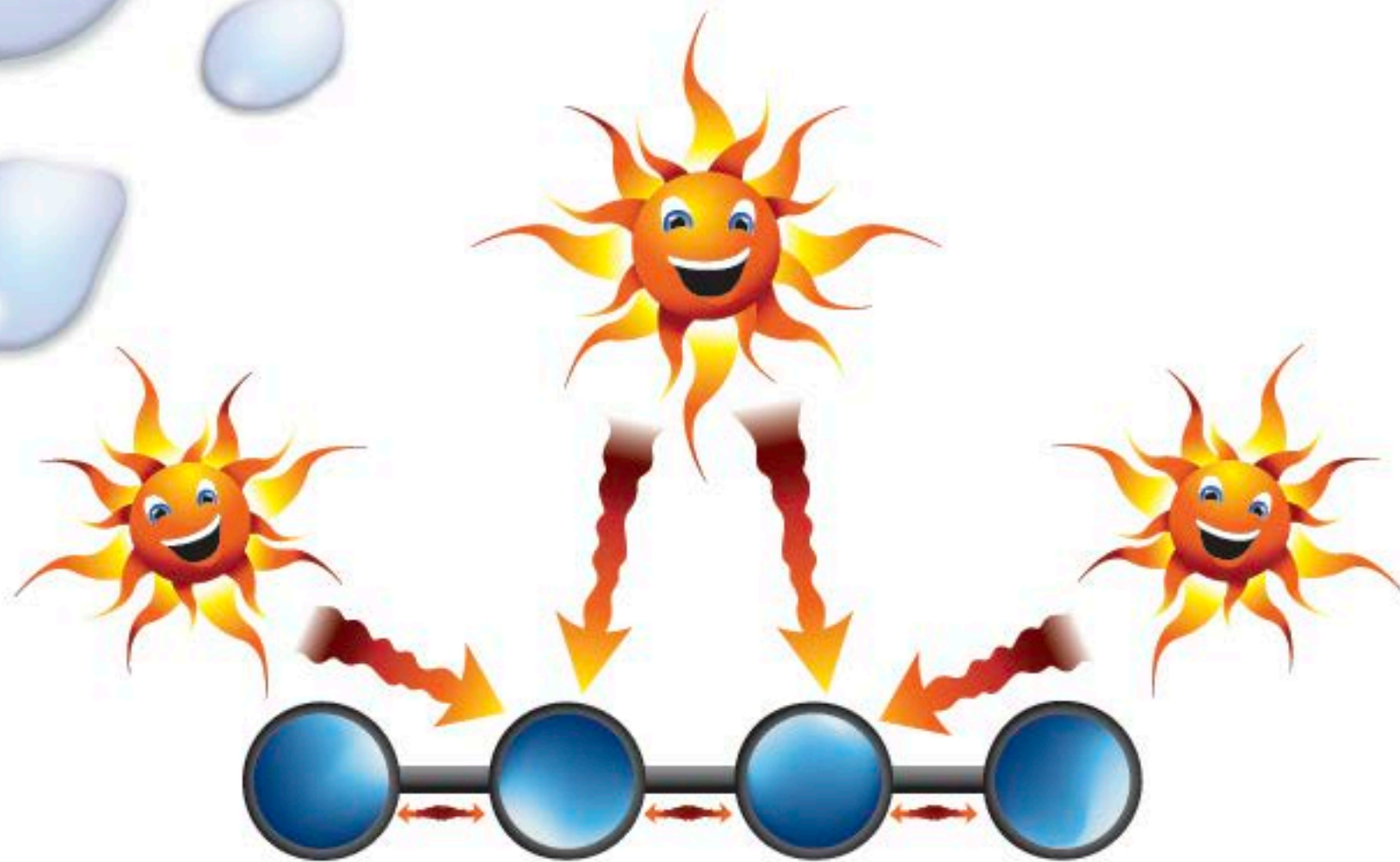
But there is more to the over-molded header than durability. It is your pool water's expressway, and traffic jams are not allowed! Because the header is molded directly around the absorber tubes, there are no barriers, so the water freely exits the header into each individual absorber tube. Less sophisticated manufacturing methods can block the water flow significantly at this point, which reduces the gallons-per-minute throughput of each collector. Flow restrictions add back pressure to the pool's entire filtration system and can reduce its overall life expectancy. Simply put - the more water that can be moved through your solar system, the more heat will be transferred to your pool each day.





Increase the value of your backyard paradise

Few things in life are as relaxing and enjoyable as spending leisure time with family and friends in your own pool. Comfortable pool water temperature is essential for creating an inviting environment. Within this literature, you'll learn why solar pool heaters are rapidly replacing the energy wasting electric and gas appliances of the past.



SwimMaster's absorber surface

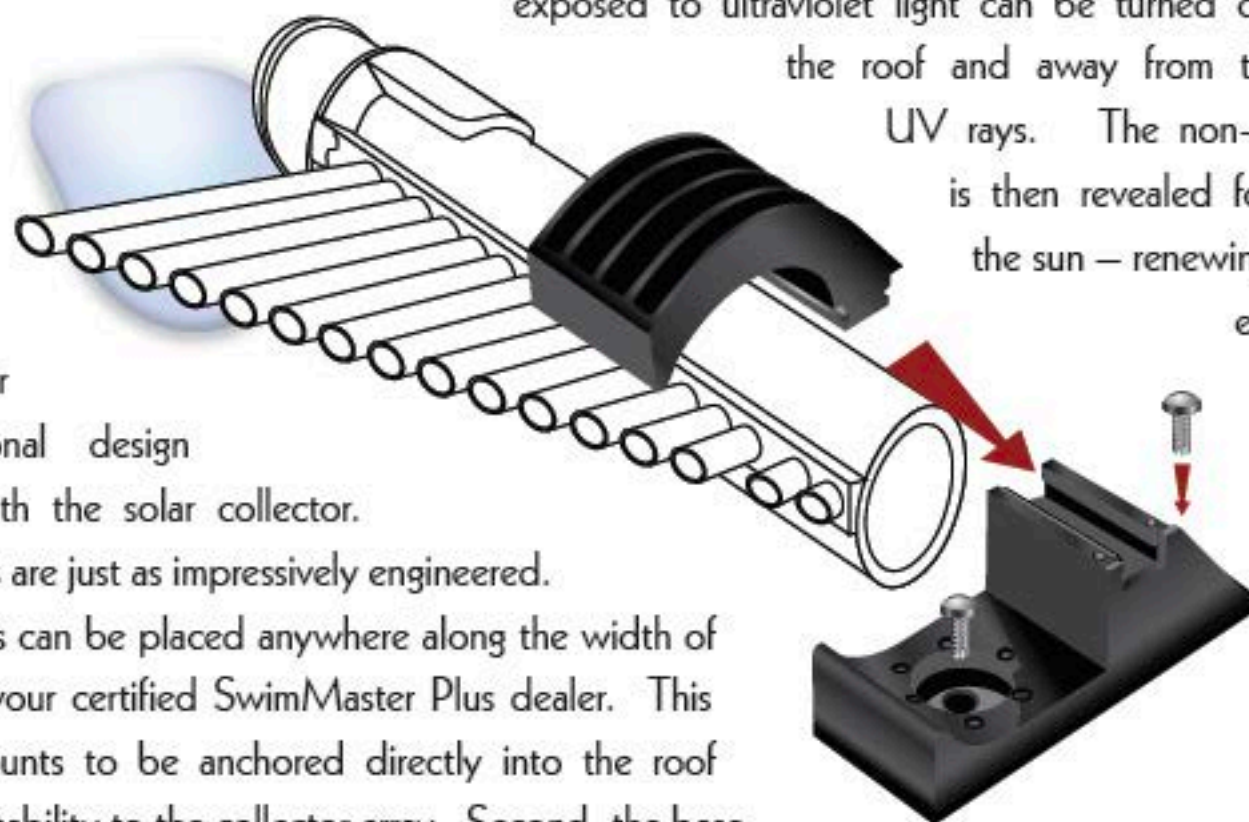
uses tube-on-fin technology, chosen for its performance and durability. The fin, or webbing between each tube, along with the tube itself, collects the sun's heat and efficiently transfers the heat to your pool water. The fin also enables the collector to flex, expand, and contract without putting pressure on the absorber tubes. SwimMaster Plus's built-in flex webbing has been proven to outlast all other absorber designs without sacrificing BTU output. (British Thermal Unit is a measurement of energy.)



Discover the SwimMaster Plus difference...

SwimMaster Plus collectors are also

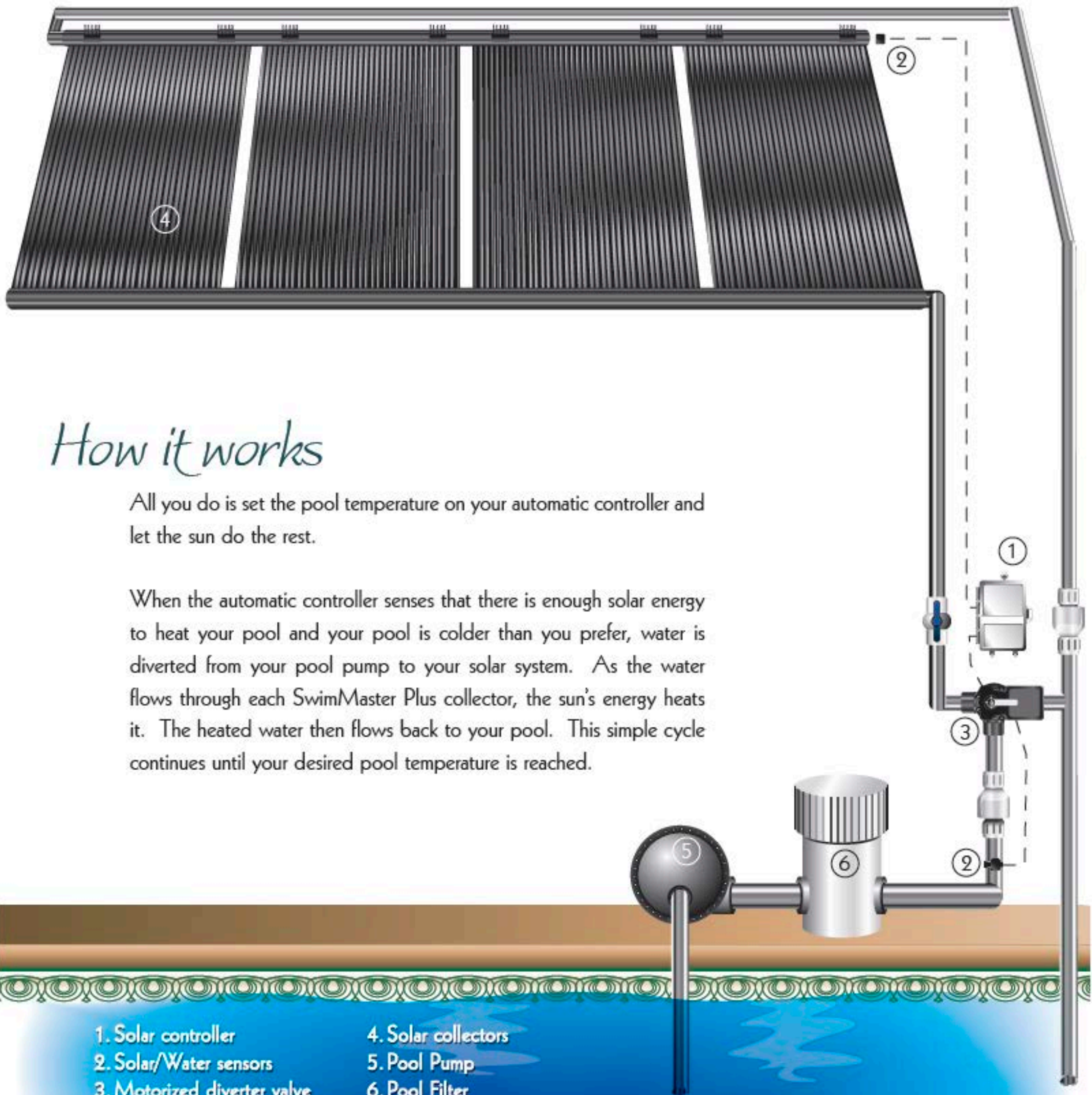
specifically engineered to be 100% symmetrical, with no defined top or bottom. Why is this important? Because exposure to the sun is what makes solar collectors work, but it's also what wears them out. Over time, rotating them can double the SwimMaster Plus collectors' life expectancy. The side that has been exposed to ultraviolet light can be turned downward – facing the roof and away from the sun's damaging UV rays. The non-exposed underside is then revealed for the first time to the sun – renewing the collectors' life expectancy.



SwimMaster Plus's exceptional design doesn't end with the solar collector.

The roof mounts are just as impressively engineered.

First, the mounts can be placed anywhere along the width of the header by your certified SwimMaster Plus dealer. This enables the mounts to be anchored directly into the roof rafters, adding stability to the collector array. Second, the base of the mounts cradle the collector header, lifting it slightly off the roof. This feature allows the collector to expand and contract without causing stress to the collector, anchor points, or the roof. The two-piece design also allows the collectors to be released and flipped over, renewing their life expectancy, without disturbing the anchor points at the base of each mount.



How it works

All you do is set the pool temperature on your automatic controller and let the sun do the rest.

When the automatic controller senses that there is enough solar energy to heat your pool and your pool is colder than you prefer, water is diverted from your pool pump to your solar system. As the water flows through each SwimMaster Plus collector, the sun's energy heats it. The heated water then flows back to your pool. This simple cycle continues until your desired pool temperature is reached.

- 1. Solar controller
- 2. Solar/Water sensors
- 3. Motorized diverter valve

- 4. Solar collectors
- 5. Pool Pump
- 6. Pool Filter



Quality Assurance

All SwimMaster Plus collectors go through a series of performance tests to ensure that every collector that leaves our factory meets or exceeds our exacting specifications.

Enjoy the peace of mind that comes with knowing that your SwimMaster Plus solar pool heater will provide years of faithful service, and is protected by our lifetime limited warranty.

(See warranty for limitations and details.)

SwimMaster Plus Solar Pool Heating Systems are manufactured and distributed by:
Solar Hydronics Corp. • 1423 Gunn Highway • Odessa, FL 33556