Solar Industries
Solar Pool Heating Systems

35 years *The Original* **Since 1976**

It's all about enjoying your warm pool longer.

For Entertaining

Turn your backyard into the fun center you've always wanted it to be. A warm pool means more enjoyment for your family and friends. Poolside parties... refreshing dips... relaxation... that's what it's all about!

For Relaxation

Unwind with a quick dip after work, or enjoy some special quiet moments with your close friends and family. A Solar Industries Solar Pool Heater does all the work while you relax, and always assures comfortable swimming enjoyment.

For Your Health

Swimming is an ideal form of low-impact exercise, improving cardiovascular conditioning, musclular strength and endurance, and posture and flexibility - simultaneously! A heated pool means invigorating workouts in the comfort of your own backyard, whenever you want.
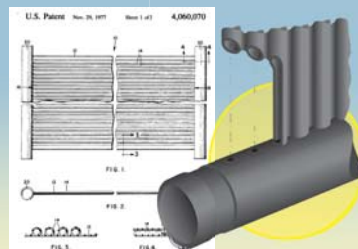
Solar Industries has been heating pools

Early 1970s

A group of entrepeneurs have a thought - one day, heating a swimming pool with fossil fuels would be a luxury this planet could no longer afford. **Solar Industries** is born from this belief.

1976

The group designs and begins production of a long-lasting polymer solar collector for pool heating applications called the **Solar Industries® Solar Pool Heater**.

1977

Solar Industries is issued **US Patent 4,060,070**, for the first ever "polymer tube-and-web solar collector."
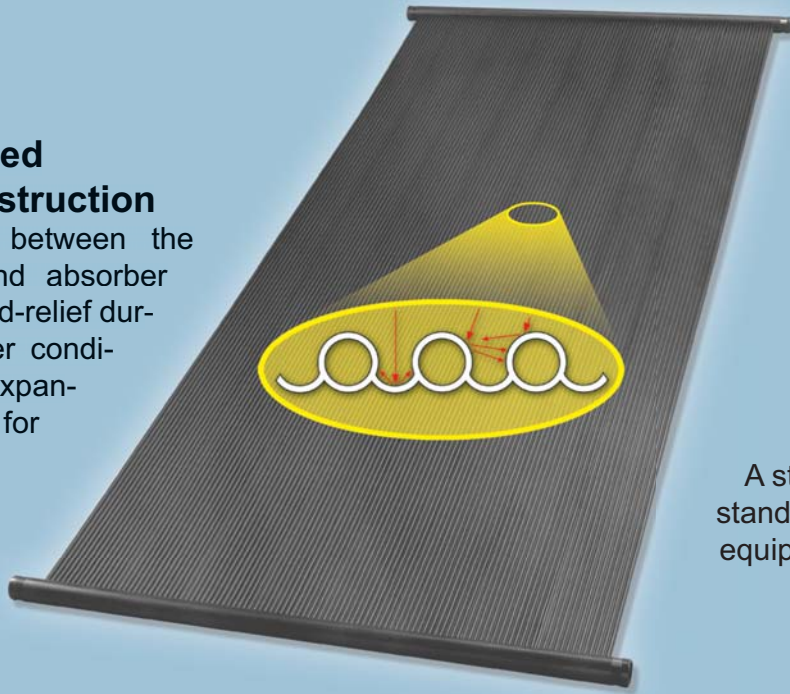
1980

Solar Industries® appears in **Modern Plastics Magazine**, and is recognized as "an entirely new concept in extruded plastic."

The Original Innovator in Solar Pool Heating

First...
Thermally Welded Multi-Plate Construction
A seamless weld between the collector header and absorber plates allows for wind-relief during extreme weather conditions, and thermal expansion and contraction for longer life.

First...
SunTracking Tube & Web Design
Unique tube and web design maximizes heat gain earlier in the morning and later in the afternoon... even on windy days.

First...
NSF-50 Certification
A strict safety, durability, and toxicity standard required for commercial pool equipment ensures the water you and your family swim in is safe.

First...
Metered Direct Flow Design
Balances flow for better system performance, enhancing today's high-flow, high-efficiency filtration systems.

First...
Stainless Steel Mounting Hardware
Marine-grade stainless steel mounting hardware, including hold-down straps. The strongest in the industry; designed to withstand hurricane-force winds.

long before being GREEN was even cool.

1985	1990	1993	1994
The Solar Industries® Collector is given an unprecedented **Limited Lifetime Warranty**.	Solar Industries **names its spokesperson** in 8-time Olympic Gold Medalist Swimmer, Mark Spitz	Solar Industries® records the **first-ever performance rating of 1,000 Btus/ft²** by the a Florida Solar Energy Center (FSEC).	Production begins on the **2000 Series Model**, a commercial version of the SI Collector, with a 2" header manifold designed to accommodate larger pumps and higher flow-rates.

FLORIDA SOLAR ENERGY CENTER

Lifetime Warranty

TECHNICAL DATA

DIMENSIONS

	Model 1500 Series			Model 2000 Series		
Model Number	10001-5	10001-2	10001-1	10204-12	10204-10	10204-8
Nominal Size-ft.	4x12	4x10	4x8	4x12	4x10	4x8
Overall Collector Length-in.	144.0	120.0	96.0	144.0	120.0	96.0
Collector Width-in.	47.0	47.0	47.0	47.0	47.0	47.0
Manifold Length-in.	50.5	50.5	50.5	50.5	50.5	50.5
Manifold O.D.-in.	1.9	1.9	1.9	2.4	2.4	2.4
Manifold I.D.-in.	1.5	1.5	1.5	2.0	2.0	2.0
Gross Collector Area-ft^2	47.3	39.3	31.4	47.3	39.3	31.4
Net Collector Area-ft^2	47.3	39.3	31.4	47.3	39.3	31.4

WEIGHTS

Dry-lbs	21.3	17.1	14.3	22.3	18.1	15.3
Wet-lbs	48.0	41.6	35.1	54.0	47.6	41.1
Wet-lbs/ft^2	1.0	1.0	1.1	1.1	1.2	1.3
Fluid Capacity-gal	3.2	2.9	2.5	3.8	3.5	3.1

FLUID FLOW RATES

Maximum-GPM	10.0	10.0	10.0	10.0	10.0	10.0
Minimum-GPM	3.0	2.5	2.5	3.0	2.5	2.5
Standard-GPM	5.0	4.0	3.25	5.0	4.0	3.25
Max. Collectors with Single Feed @ Recommended Flow Rate	10	12	12	12	14	14

PRESSURES

Pressure Drop: 0.05 @ 2.5 GPM
0.20 @ 5.0 GPM
0.60 @ 10.0 GPM

Recommended Max.
 Operating Pressure: 50 PSI @ 77°F

Maximum
 Operating Pressure: 75 PSI @ 77°F
35 PSI @ 140°F

Design Burst Pressure:
 Greater than 100 PSI @ 140°F

THERMAL PERFORMANCE EQUATION

$n = 0.9248 - 0.0512(u) - (4.76 + 1.998u)$

(Tested and Certified in accordance with ISO 9806)

1995-2005

Over the next 10 years, Solar Industries® becomes vertically-integrated and expands into a **50,000 square foot manufacturing facility** in Lakewood, NJ.

2011

Solar Industries® passes the strict safety, durability, and toxicity criteria set forth by the National Sanitation Foundation and becomes listed under NSF Standard 50 (NSF-50).

That same year, another milestone is reached as Solar Industries is manufactured to ISO 9001:2008 quality control standards - the strictest of their kind.

2013

Solar Industries® is performance certified by IAPMO R&T, and receives the highest rating for a solar pool heater at Category B1500 (normal pool heating conditions).
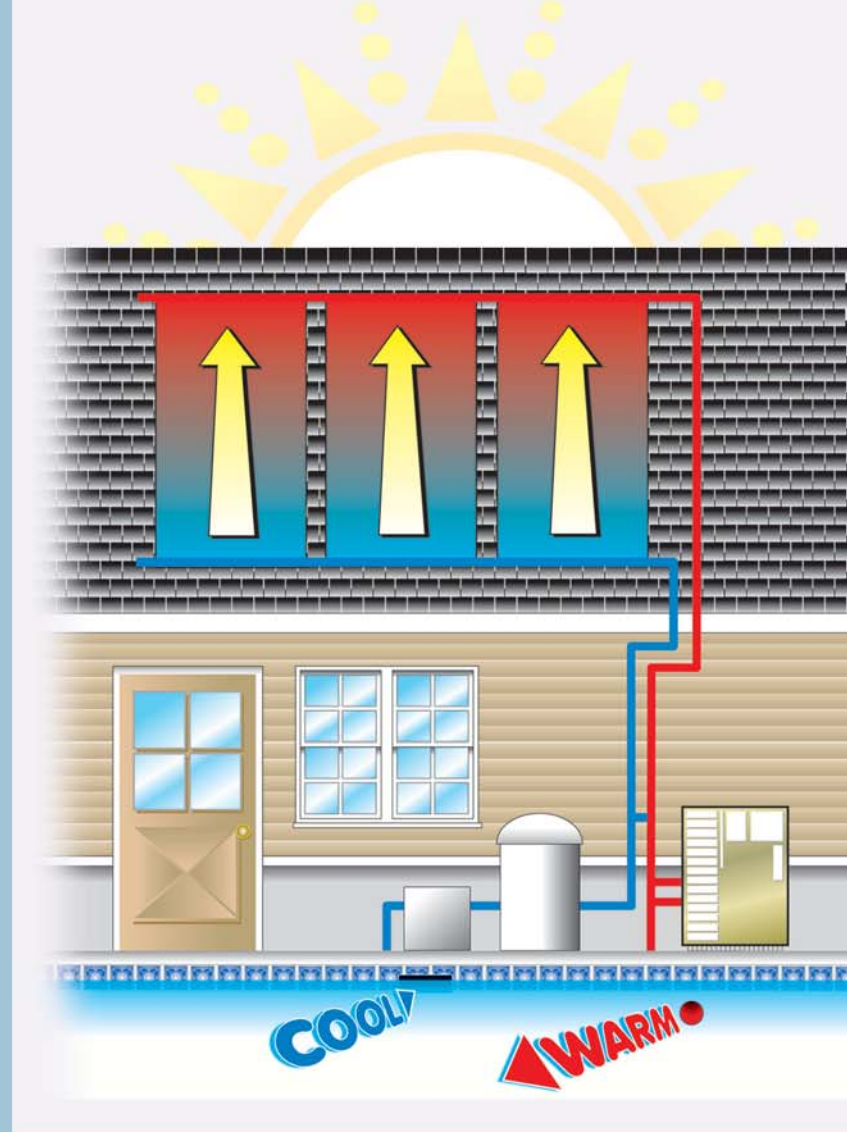
FAQs

Is solar pool heating dependable?

Solar Industries Solar Pool Heaters have been on the job worldwide since 1976 - heating pools, hot tubs, spas, municipal and commercial pools, hotels and resort clubs. Our solar pool heaters make swimming seasons longer, more comfortable, and environmentally-friendly. As long as the sun keeps shining, you can depend on solar.

How much will a solar pool heater cost?

Whether you currently heat your pool or not, a solar pool heater can pay for itself in as little as two years. After that, you'll be collecting dividends year after year while heating your pool with the sun's free energy.

Is a solar pool heater simple to operate?

Using your existing pool pump, water is circulated through the many small passages of the solar collectors, where it is warmed by the sun. This warm water then flows directly back to your pool through the regular pool plumbing. Solar Industries Solar Pool Heaters are designed to work with your existing filtration equipment as well as the latest in pool automation technology.

COOL ▶   ▲ WARM ●

What if I already have a gas heater or heat pump?

A Solar Industries Solar Pool Heater can also work alongside your existing conventional heater. It uses solar as the primary source of heat and a gas heater or heat pump as a backup heater. WIth a hybrid pool heating system, you'll have the best of both worlds.

Here's what some of our tens-of-thousands of satisfied customers have to say!

"For the first time in 32 years, we swam in May!"
Mr. & Mrs. B.C., Portland, Oregon
SI owners since 1992

"We researched all the options and SI was the best buy at any price!"
Ms. T.B., Palo Alto, California
SI owner since 1979

"The dealer was great, and we use our pool a lot more now!"
Mrs. S.H., Riverside, California
SI owner since 1993

"No more gas bills, and lots more swimming!"
Mr. M.E., Las Vegas, NV
SI owner since 1991

"Works even better than I had expected it to!"
Mr. & Mrs. C.M., Scottsdale, Arizona
SI owners since 1986

"Very satisfied... it looks good and works great!"
Mr. A.J., Fort Myers, Florida
SI owner since 1981

"Our system is worth its weight in gold!"
Mr. F.S., Weston, Connecticut
SI owners since 1983

"We swim until October... I get my money's worth from my swimming pool now!"
Mr. & Mrs. M.G., Brick, New Jersey
SI owners since 1986

"It works so well, I put one on my father's pool!"
Mr. M.M., Decatur, Alabama
SI owner since 1982

"An excellent value and the highest quality!"
Mr. & Mrs. C.Y., Palm Beach, Florida
SI owners since 1989

Solar Industries pioneered the design and development of the original solar pool heater nearly 40 years ago...

Today, we are the largest manufacturer of solar thermal collectors in the United States. Every collector is produced under strict ISO 9001:2008 Quality Management Standards, at the most modern facility of its kind.

Experience counts most when you're considering the purchase of a solar pool heater, and every Solar Industries system owner enjoys the benefits of over 35 years of experience in design, manufacturing, and customer satisfaction.

Solar Industries Solar Pool Heaters have proven their value on tens-of-thousands of pools, in every climate around the globe. You can relax, with the best-built, best-backed solar pool heater in the world.

First in Innovative Design ● *First* in Manufacturing Experience ● *First* in Customer Satisfaction

Certification, Approvals, and Product Testing

Solar Industries Solar Pool Heaters meet or exceed the criteria for the following accredited independent laboratories and agencies:

Lifetime Warranty

Solar Industries is the only solar pool heater to survive a grueling 23-year life expectancy test in the Arizona desert. With tens of thousands of installations worldwide since 1976, you cannot find a better built, better-backed solar pool heater.

Professional Affiliations

Solar Industries recognizes its ethical and professional responsibilities to its customers. Membership in national and regional trade associations is an important part of SI's commitment to excellence.

Solar Industries
Solar Pool Heating Systems

35 years
The Original — Since 1976

Manufactured in the USA

www.solarindustries.com

Available through: