



Sun-Swim[®] XT
SOLAR POOL HEATER



SOLAR POOL HEATING, EVOLVED



OVER 40 YEARS IN THE MAKING

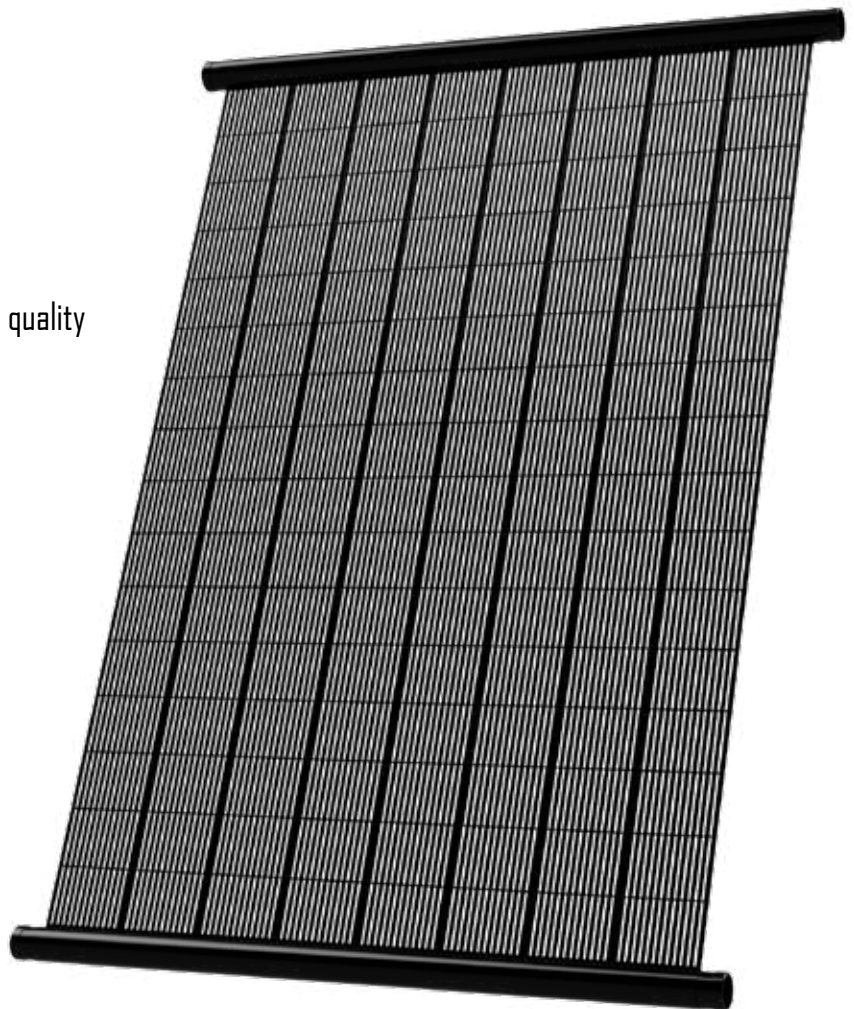
Sun-Swim XT is the first solar thermal collector for pool heating of its kind. Its design the result of over 40 years of manufacturing experience and lessons learned.

TRUSTED QUALITY MEETS INNOVATIVE DESIGN

Made in the USA under a strict ISO 9001:2015 registered quality management system, Sun-Swim XT has been engineered to outperform and built to outlast the competition.



Cross section of Sun-Swim XT showing its sun-tracking heat transfer tubes, thermal expansion joints, and fully vented collector design.





FEATURES & BENEFITS

ONE-PIECE DIRECT-FLOW MANIFOLD

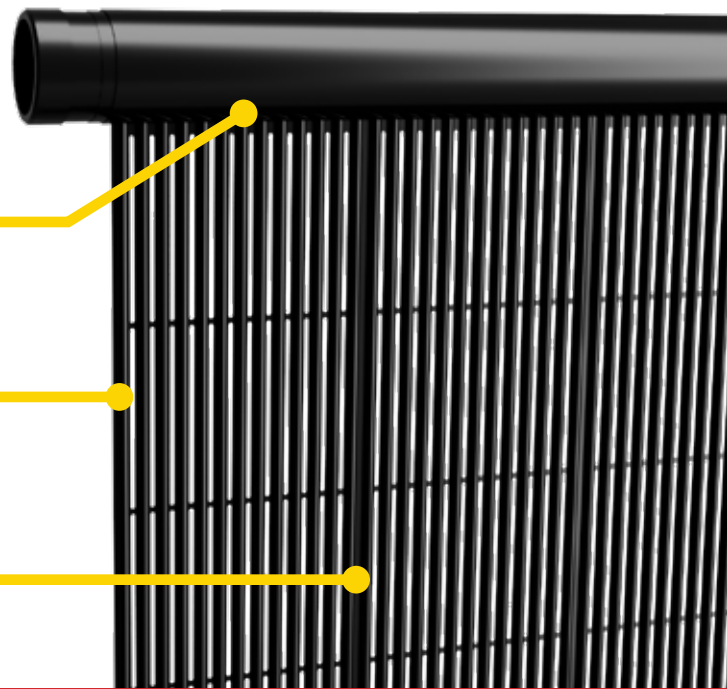
Metered design ensures balanced heating and flow, even with high-efficiency and variable speed pumps.

MICRO-VENTS & SUPPORT RIBS

Thousands of micro-vents protect against high wind. Ribs support individual tubes without "spacer bars."

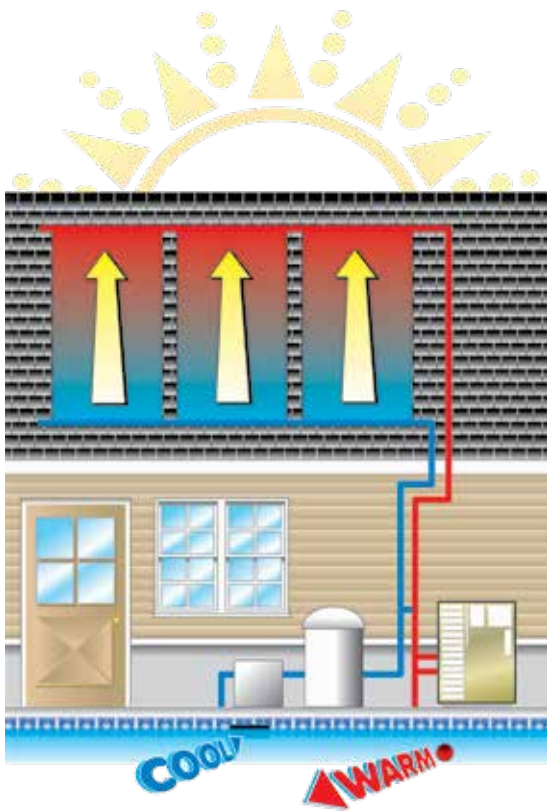
THERMAL EXPANSION JOINTS

For superior collector durability and longevity.



SWIM IN THE WARMTH OF THE SUN!

Sun-Swim XT uses the sun's endless supply of free energy to maintain your pool at the perfect temperature.



1 You set your desired pool temperature on the solar controller or your pool's existing automation. When heat is needed a valve opens, sending pool water to the solar collectors.

2 Your pool is warmed by free solar heat energy as water circulates through the collectors then back to your pool through the return lines.

3 When your pool reaches temperature, the solar valve closes and water stops flowing through the collectors.

HYBRID SOLAR POOL HEATING

Sun-Swim XT works with or without an existing gas or electric pool heater. In a **hybrid solar pool heater**, water is pre-heated by free solar energy, dramatically reducing the runtime of an auxiliary fossil-fuel heater.

Sun-Swim XT
SAVES



- FREE HEAT
- QUICK PAYBACK
- LONG SERVICE LIFE
- LOW-MAINTENANCE



- CLEAN & CARBON-FREE
- RENEWABLE ENERGY SOURCE
- ENVIRONMENTALLY-FRIENDLY

SPECIFICATIONS



DIMENSIONS

NOMINAL SIZE	4' x 12'	4' x 10'	4' x 8'
OVERALL LENGTH (IN)	144.0	120.0	96.0
ABSORBER WIDTH (IN)	47.0	47.0	47.0
MANIFOLD LENGTH (IN)	50.5	50.5	50.5
GROSS/NET AREA (FT ²)	46.63	39.29	31.43

Available with 1-1/2" or 2" (I.D.) header manifolds

FLOW RATES

MAXIMUM (GPM)	10.0	10.0	10.0
RECOMMENDED (GPM)	7.5	6.0	5.0
STANDARD (GPM)	5.0	4.0	3.25
MINIMUM (GPM)	3.0	2.5	2.5

PRESSURES

MAX OPERATING PRESSURE	75 PSI @ 77° F / 35 PSI @ 140° F
RECOMMENDED MAX OPERATING PRESSURE	50 PSI @ 77° F
DESIGN BURST PRESSURE	GREATER THAN 100 PSI @ 140° F
PRESSURE DROP PER COLLECTOR	.05 PSI @ 2.5 GPM / .20 PSI @ 5 GPM / .60 PSI @ 10 GPM

Tested and certified in accordance with NSF/ANSI Standard 50; 2010

CERTIFIED EFFICIENCY RATINGS

CERTIFICATION AGENCY	EFFICIENCY	PERFORMANCE EQUATION
FLORIDA SOLAR ENERGY CENTER (FSEC) (tested in accordance with ASHRAE 96)	93.5%	$n = 0.935 - 8.930(P/G) - 0.647(P^2/G)$
IAPMO R&T (tested in accordance with ISO 9806)	92.5%	$n = 0.9248(1 - 0.05536u) - (15.007 + 6.298u)(tin - ta)/G''$

CERTIFICATIONS



Sun-Swim XT is manufactured in an ISO 9001:2015 registered facility. Every unit made is subject to numerous mechanical and visual quality inspections throughout all stages of production.



INTERNATIONAL ASSOC. OF PLUMBING & MECHANICAL OFFICIALS

Global quality and performance certification

- USEC Uniform Solar Energy Code
- SRCC Standard 100-2015

NATIONAL SANITATION FOUNDATION (NSF)

Commercial aquatic safety, durability, and toxicity standard

- NSF/ANSI-50 rated and listed

FLORIDA SOLAR ENERGY CENTER (FSEC)

Solar design and performance certification

- FSEC Standard 101-15



ISO 9001:2015



MADE IN THE USA

SUNSWIMSOLAR.COM

AVAILABLE THROUGH:

SOLARTEK ENERGY

P.O BOX 1540
KYLE TX 78640

512-268-2800 210-826-2111