

The logo features a yellow semi-circle above the text 'Sun-Swim XT' in a red, stylized font. Below this, the words 'SOLAR POOL HEATER' are written in a smaller, red, sans-serif font. Underneath the text is a blue graphic of a sun partially obscured by waves.

**Sun-Swim<sup>®</sup> XT**  
**SOLAR POOL HEATER**



# SOLAR POOL HEATING, EVOLVED



## OVER 40 YEARS IN THE MAKING

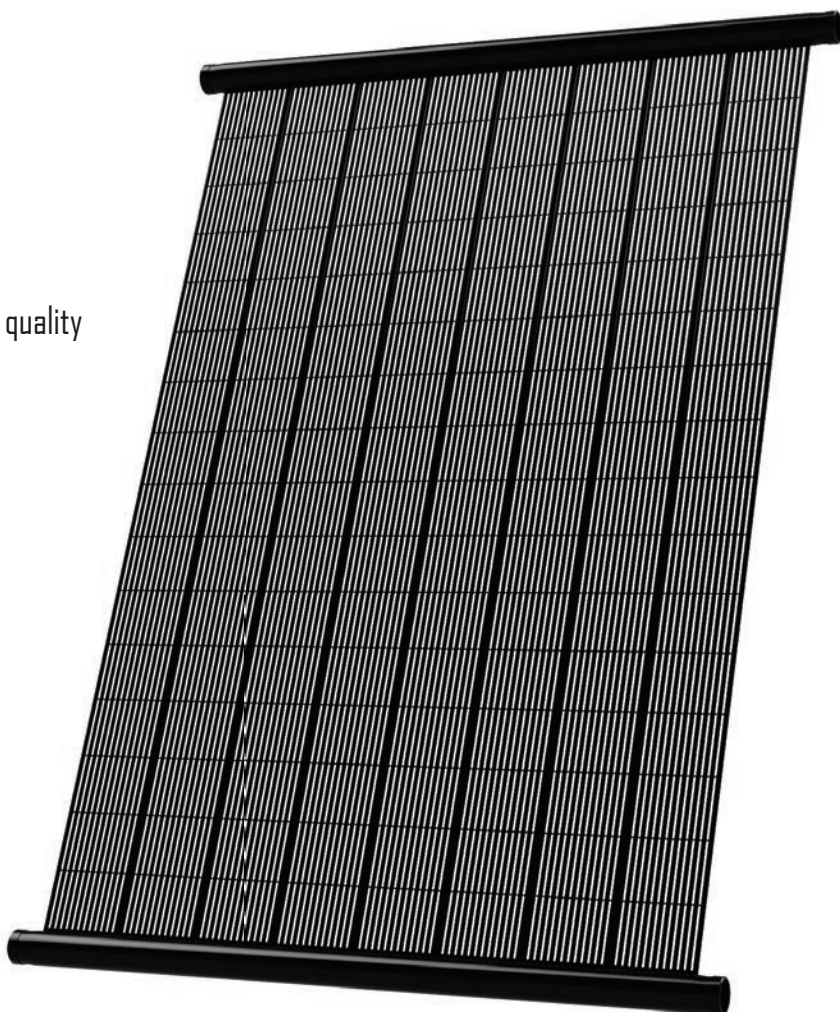
Sun-Swim XT is the first solar thermal collector for pool heating of its kind. Its design the result of over 40 years of manufacturing experience and lessons learned.

## 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

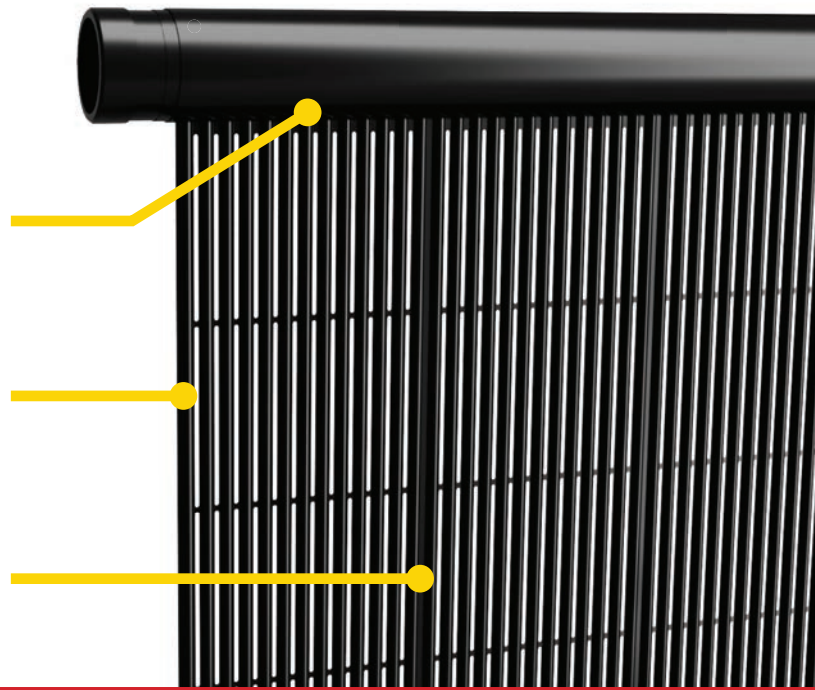
Metered design ensures balanced heating and flow, even with high-efficiency and variable speed pumps.

## MICRO-VENTS & SUPPORT RIBS

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

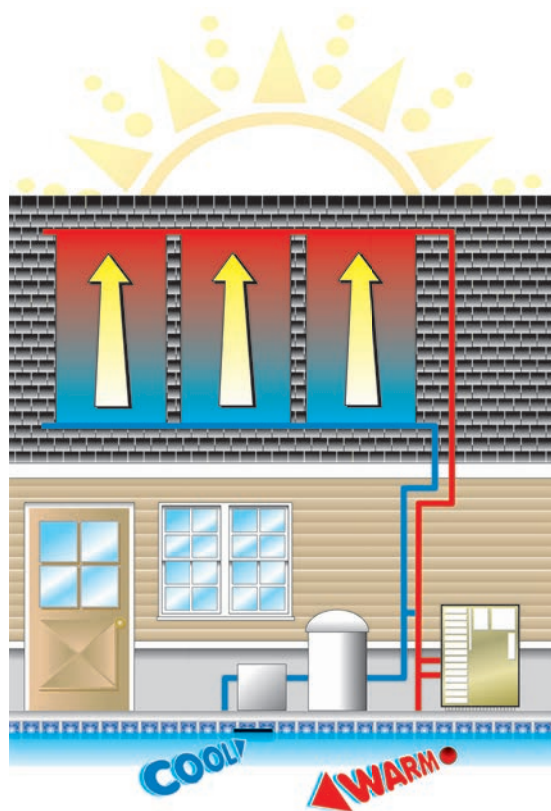
## THERMAL EXPANSION JOINTS

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 <sup>2</sup> )	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) <small>(tested in accordance with ASHRAE 96)</small>	93.5%	$n = 0.935 - 8.930(P/G) - 0.647(P^2/G)$
IAPMO R&T <small>(tested in accordance with ISO 9806)</small>	92.5%	$n = 0.9248(1 - 0.05536u) - (15.007 + 6.298u)(t_{in} - t_a)/G$

# 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 SOLAR RATING & CERTIFICATION CORPORATION

Global quality and performance certification

- USEC Uniform Solar Energy Code
- ICC 901 / SRCC 100-2020

## FLORIDA SOLAR ENERGY CENTER (FSEC)

Solar design and performance certification

- FSEC Standard 101-15

## NATIONAL SANITATION FOUNDATION (NSF)

Commercial aquatic safety, durability, and toxicity standard

- NSF/ANSI-50 rated and listed



ISO 9001:2015



MADE IN THE USA

SUNSWIMSOLAR.COM

AVAILABLE THROUGH: