

SOLAR POOL HEATER



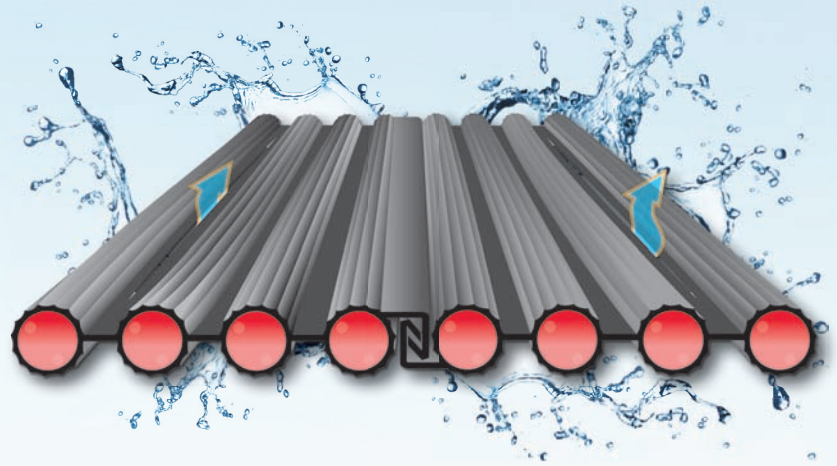
SWIM IN THE
WARMTH OF THE SUN!

Trust the Ecosun Solar Pool Heater

Since 1993, **tens-of-thousands of pool owners** around the world have experienced a longer and more comfortable swimming season, thanks to the Ecosun Solar Pool Heater.

Features & Benefits

- **Patented Vented Web** allows for roof moisture ventilation and wind-load relief.
- **Fluted Tubes** result in 10% more surface area, maximizing the sun's energy.
- **Expansion Joints** relieve stresses on the collector caused by thermal expansion and contraction.



When used in conjunction with our **stainless-steel Eagle Claw™ Mounting System**, Ecosun combines the strength and performance of a full-plate collector with the benefits of roof ventilation and reduced wind-load. You can rest-assured your Ecosun Solar Pool Heater will perform for years to come.

Technical Data



DIMENSIONS

	1.5" Series			2" Series		
Model Number	16104-12	16104-10	16104-8	16204-12	16204-10	16204-8
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

FLUID FLOW RATES

Model Number	16104-12	16104-10	16104-8	16204-12	16204-10	16204-8
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. Collector with Single Feed @ Recommended Flow Rate	10	12	12	10	14	14

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

NSF-50 LISTED

The Ecosun Solar Pool Heater meets or exceeds the strict safety, durability, and toxicity criteria of the National Sanitation Foundation's Standard 50 (NSF-50).

In most states, recreational aquatic equipment is required to meet the criteria of this standard, which verifies a product "is durable in design and construction, and is resistant to corrosion."

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
Max. Operating Pressure:	75 PSI @ 77° F; 35 PSI @ 140° F
Design Burst Pressure:	Greater than 100 PSI @ 140° F

THERMAL PERFORMANCE

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

Rating: 1,104.44 Btus / ft² (certified by FSEC)

Tested and Certified in accordance with ISO 9806 and NSF/ANSI Standard 50; 2010