



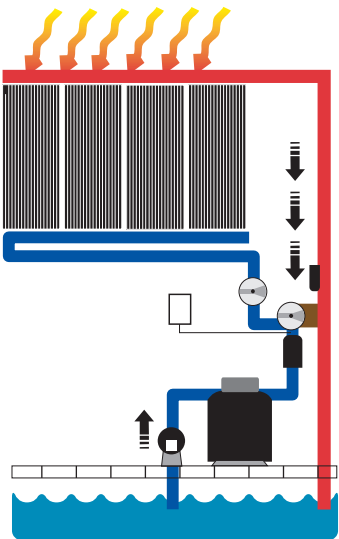
Meet the next generation of solar pool heating. **Swim Lux** panels are durable, efficient, and cutting-edge - designed with a unique glazing that significantly increases performance.



THE FEATURES

ADVANTAGES

Patented individual tube design	Allows expansion and contraction, eliminating cracks and leaks. Lets roof breathe, keeping it clean and dry.
Patented mounting hardware	Eliminates hoses, clamps and straps. No gaps between panels for smoother look.
One-piece over molded construction	Eliminates welds and weld leaks.
Glazed Collector	Higher performing solar panel in breezy or windy areas. Also higher performing in low air temperatures.
Low collector-head loss	Reduces pump requirements.



Using the power of the sun to heat your pool:

- A.** Using your existing pool pump, pool water is directed through a series of valves to your solar collectors.
- B.** Pool water enters the solar collectors at the bottom and rises to the top through the individual tubes of the collector.
- C.** As the water rises through the collector, it is heated by the sun's radiant energy
- D.** The water is then returned to the pool to repeat the cycle until your pool has been warmed by the sun.

CERTIFICATION DATA

- ISO 9001:2008 and ISO 14001:2004
- Solar Rating & Certification Corporation (SRCC)
- Florida Solar Energy Center (FSEC)
- NSF 50 for Recreational Water Facilities
- NSF 61 for Portable Water
- City of Los Angeles #RR-4508
- German Federal Health Board

WHAT ISO CERTIFICATION MEANS TO YOU

Established in 1947, the International Organization for Standardization (ISO) is a worldwide federation of national standards bodies representing over 130 countries.

ISO 9001- 2008 Certification is a standard granted only to companies performing at the highest levels in their industries.

TECHNICAL INFORMATION AND SPECIFICATIONS

SL-40

Thousands of BTU's per day per panel

SOLAR INSOLATION

Category T(°F)		2,000 BTU/ft ²	1,500 BTU/ft ²	1,000 BTU/ft ²
Water temp. minus air temp.	A (-9)	67.70	53.30	39.00
	B (+9)	44.70	30.60	16.60
	C (+36)	17.4	6.4	0
	D (+90)	0	0	0

SL-30

Thousands of BTU's per day per panel

SOLAR INSOLATION

Category T(°F)		2,000 BTU/ft ²	1,500 BTU/ft ²	1,000 BTU/ft ²
Water temp. minus air temp.	A (-9)	49.50	39.10	28.70
	B (+9)	31.90	21.70	11.60
	C (+36)	11.3	3.7	0
	D (+90)	0	0	0

KEY:

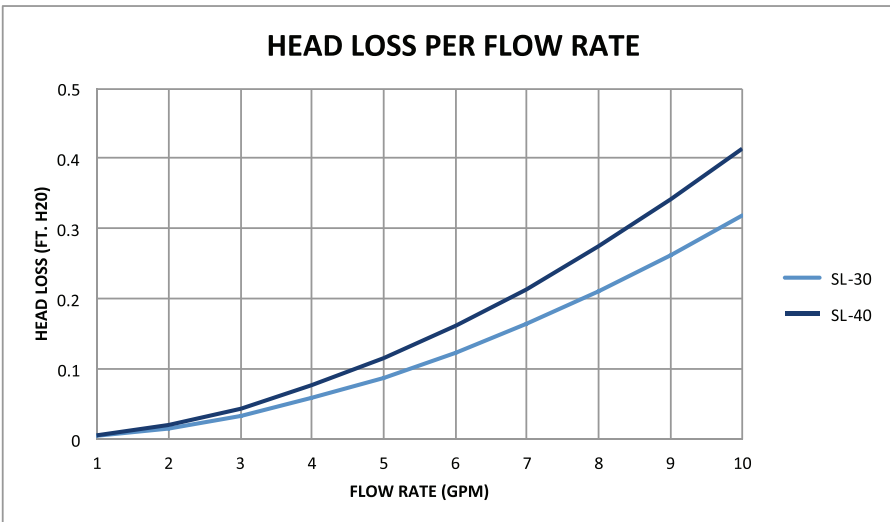
A - Pool Heating (Warm Climate) B - Pool Heating (Cool Climate) C - Water Heating (Warm Climate)
D - Space & Water Heating

CERTIFICATION DATA

BTUs PER DAY

Certifying Organization	SL-40	SL-30	Performance Expectations	
National Standard SRCC Equivalent BTU/sq ft	44,700	31,900	SLES-40: $\eta = 0.743 - 2.78981(P/G) - (0.04480(P^2/G^2))$	SLES-30: $\eta = 0.743 - 2.98365(P/G) - (0.00438(P^2/G^2))$
Florida Standard	921 BTU's/ft ²		$0.769 - 3.30(T_i - T_a) / I$ $K_{XX} = 1 - 0.00(S)$	

HEAD LOSS PER FLOW RATE



COLLECTOR DATA

Collector Model	SL-40	SL-30
Size, Nominal	4'x10.5'	4'x7.5'
Width	48.41"	48.41"
Length	128.44"	91.94"
Aperture Area (SF)	40.28	29.09
Manifold Diameter	2"	2"
Weight (dry)	38lbs	29lbs
Volume Capacity	3.1 gal	2.4 gal
Working Pressure	90 psi	90 psi
Burst Pressure	270 psi	270 psi
Typical Flow	4 gpm	3 gpm



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