

SunMaxx™

Shell & Tube Solar Heat Exchangers



Heat exchangers are an important part of any solar thermal system. They allow customers to take full advantage of the versatility of solar thermal technology – creating the best system for any application or budget.

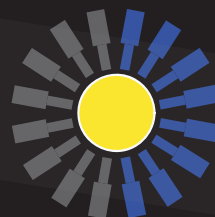
Shell and tube heat exchangers allow a solar thermal system to provide heat to any liquid that is potentially corrosive to other heat exchangers – with maximum efficiency and reliability. Common uses include: pool and spa heating, marine applications, and industrial applications such as process heating or oil heating.

Our shell and tube heat exchangers offer the best in rugged durability, compact design, high efficiency and proven performance. Their simple connection method, allows a SunMaxx solar thermal system to be easily integrated – reducing the carbon output and energy expenditure of any application.

Space and water heating is a huge portion of both the energy cost and carbon footprint of an average building. To significantly reduce it, all that is needed is an ultra-efficient SunMaxx solar thermal collector system and a heat exchanger to seamlessly integrate it into an existing system.

Features:

- Stainless steel construction
- Easy plug & play design
- Available from 45K BTU/hr to 1M BTU/hr
- Space saving design
- Great for pools, spas and process heating applications
- Perfect for marine applications
- Ideal for residential, commercial, municipal, industrial & agricultural use



Technical Specifications & Features

Series Specifications

Model	Capacity		Water Flow	
			Hot Water Side	Cold Water Side
	KW	BTU/hr	GPM	GPM
39-SM-B45	13	45K	6.08	39.63
39-SM-B70	20	70K	6.60	44.91
39-SM-B130	38	130K	7.13	52.83
39-SM-B180	53	180K	7.93	55.48
39-SM-B250	73	250K	9.25	71.33
39-SM-B300	88	300K	10.57	79.25
39-SM-B500	146	500K	14.53	95.10
39-SM-B1000	293	1 Million	25.10	185.24

Model	Heat Transfer Area		Connection (shell)	Connection (tube)
	m ²	ft ²		
39-SM-B45	0.15	1.62	1"	3/4"
39-SM-B70	0.25	2.64	1-1/2"	3/4"
39-SM-B130	0.33	3.64	1-1/2"	3/4"
39-SM-B180	0.44	4.70	1-1/2"	1"
39-SM-B250	0.63	6.80	1-1/2"	1"
39-SM-B300	0.84	9.00	1-1/2"	1"
39-SM-B500	1.56	16.80	2"	1"
39-SM-B1000	2.00	21.50	2"	2"

Design Parameters:

- Temperature Rating: 406 °F (208 °C)
- Pressure Rating: 190 PSI (1.31 MPa)

Sizing Guide

Pool Size (G)	Heat Exchanger Model
3,000	39-SM-B45
6,000	39-SM-B70
11,000	39-SM-B130
16,000	39-SM-B180
22,000	39-SM-B250
27,000	39-SM-B300
44,000	39-SM-B500
88,000	39-SM-B1000

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