

# SunMaxx™

## Thermosyphon Kits



SunMaxx thermosyphon solar collectors represent a new standard in solar energy technology. Combining cutting-edge performance and efficiency with highly competitive pricing, SunMaxx is the leader in offering renewable energy solutions to home and business owners.

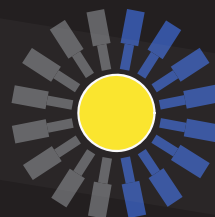
Through numerous design innovations, SunMaxx ensures that each customer receives the best solar thermal product possible. By using a passive system, where heated liquid from the tube rises into the storage tank, thermosyphons are able to achieve a cost-effectiveness unsurpassed by any solar thermal product. Because the thermosyphon uses evacuated tubes, it is able to maintain its performance and efficiency in any climate.

This all-in-one product is able to provide a solution for any solar heating application. The thermosyphon's cost competitiveness has made it popular around the world for large scale residential, commercial, municipal, agricultural and industrial systems, as well as for any budget and environmentally conscious home owner.

SunMaxx solar collectors are vigorously tested to ensure that each product is a global leader in reliability, heat output, and return on investment.

### Features:

- Ultra-high performing thermosyphon solar collector kit
- 10 year warranty available
- Cost-effective, all-in-one package
- Multiple mounting and installation options available



# Technical Specifications & Features

## Series Specifications

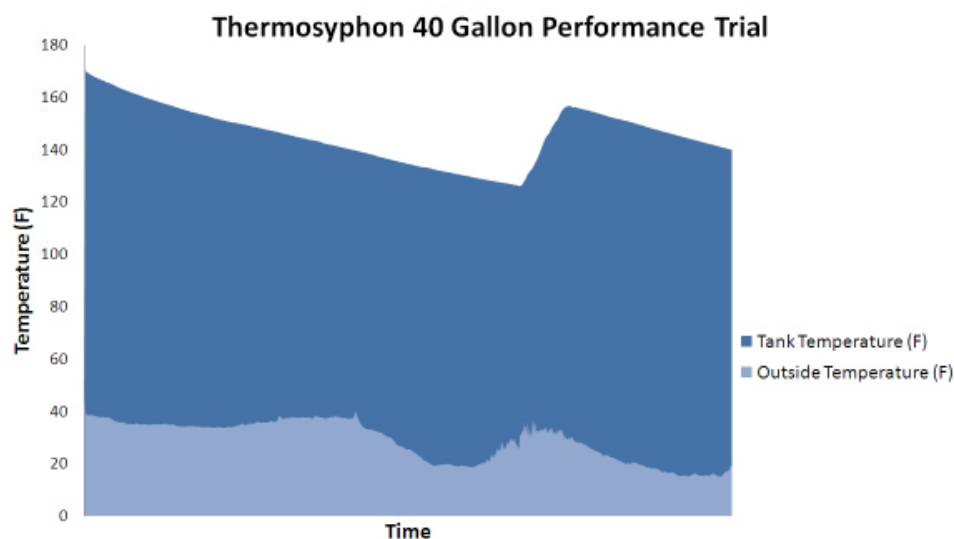
	SunMaxx-TS20	SunMaxx-TS30
Number of Tubes	20	30
Tube Material	Borosilicate Glass	
Tube Diameter	2.28"	
Tube Length	79"	
Gross Area	32 ft <sup>2</sup>	48 ft <sup>2</sup>
Dry Weight	265 Lbs	388 Lbs
Volume	53 G	80 G
Inner Tank Material	Stainless Steel	
Inner Tank Thickness	0.02"	
Outer Tank Material	Painted Steel (white)	
Outer Tank Material	0.015"	
Insulation Material	Polyurethane Foam	
Insulation Thickness	2"	
Frame Material	Painted Steel (black)	
Frame Thickness	0.06"	
Copper Coil Diameter	1/2"	
Copper Coil Thickness	0.03"	

The average American uses about 20 gallons of hot water each day. You can use the sizing chart below to determine the correct SunMaxx thermosyphon model for your domestic hot water needs.

# of Residents	Thermosyphon Kit
Up to 7 People	(1) SunMaxx-TS20
7 - 10 People	(1) SunMaxx-TS30

Your SunMaxx sales representative, or dealer-installer can assist you in sizing a SunMaxx thermosyphon system for larger or customized applications.

## Performance Specifications



### Test Specifications

3/7 - 3/10 2008

5:20pm - 7:20am

Bainbridge, NY

### Test Results

High Ambient Temp 40.2 °F

High Water Temp 156.5 °F

Low Ambient Temp 15.2 °F

Low Water Temp 126.5 °F

Avg. Ambient Temp 28.9 °F

Avg. Water Temp 145.6 °F

Throughout performance tests, thermosyphons show that they are able to heat water over 100 °F above the temperature outside, even in winter.

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