

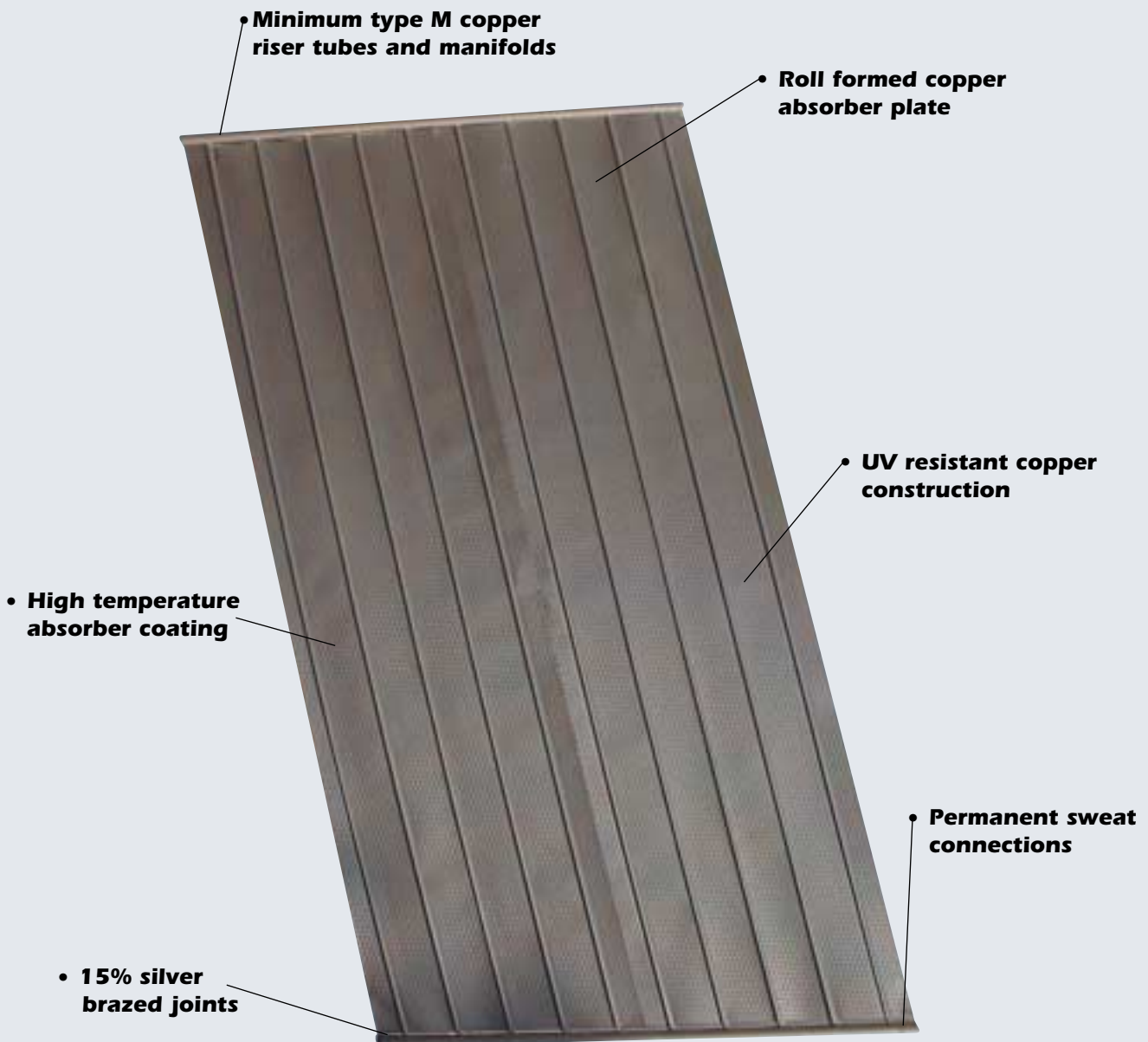


**SUN EARTH** INC.

THE **OASIS** SERIES

UNGLAZED POOL COLLECTOR  
SPECIFICATION SHEET

# UV RESISTANT ALL COPPER CONSTRUCTION THE OASIS POOL AND SPA SOLAR COLLECTOR



PROTECTING OUR ENVIRONMENT—SINCE 1978

# SUN EARTH INC. OASIS SERIES SPECIFICATIONS

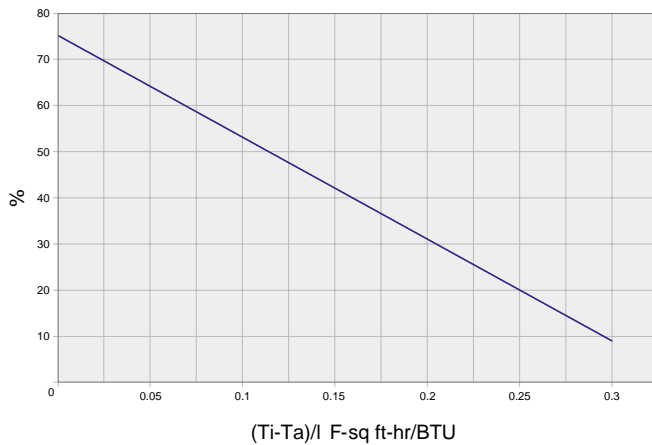
SunEarth Model No.	Width Inches	Length Inches	Gross Area Sq Ft	Dry Weight Lbs.	Fluid Capacity U.S. Gallons	Design Flow Rate GPM	Pressure Drop at Design Flow Rate in PSIG	Max Flow Rate GPM	Maximum Operating Press PSIG	Std. Header Width, Inches	Std. Header Diameter, Inches Nominal	Header, Center to Center, Inches
OP-32	45 5/8	95 1/4	30.18	41	1.3	3.2	0.018	25	160	45 1/2	1 1/2	93 5/8
OP-40	45 5/8	117 3/8	37.19	52	1.6	4.0	0.020	25	160	45 1/2	1 1/2	115 5/8

## FLORIDA SOLAR ENERGY CENTER (FSEC) OASIS RATINGS

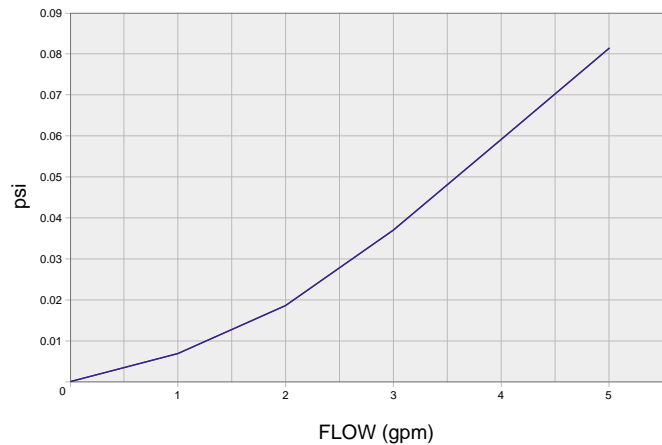
FSEC has developed daily collector output summaries for rated collectors operating at various temperatures. The daily irradiance used for these summaries is 1600 BTU/Sq.Ft - day, which is typical of a mildly cloudy day. Most pool collectors will operate in the 95 degree category.

Collector Temp *F	Collector Output (BTU/day)	
	OP-32	OP-40
95	28,800	35,500
122	14,200	17,400
212	0	0

## EFFICIENCY



## PRESSURE DROP



## ENGINEERING SPECIFICATIONS



The following shall be the specifications for the pool/spa heating collectors. Collectors shall be SunEarth Oasis model \_\_\_\_\_, and shall be of the unglazed liquid flat plate type. Collectors shall be tested in conformance with ASHRAE standard 96-1980. The collectors shall be certified by the Florida Solar Energy Center (FSEC).

### ABSORBER PLATE AND PIPING

The absorber shall consist of a roll-formed copper plate of no less than .008 inch thickness. Risers shall be a minimum of 1/2 inch O.D. Type M copper tubing on no more than 4 1/2 inch centers continuously soldered to the plate utilizing a non-corrosive solder paste with a melting point of 460° F. The risers shall be brazed to 1 5/8 Inch O.D. Type M copper

manifolds utilizing a copper phosphorous brazing alloy with no less than 15 percent silver content, and conforming to the American Welding Society's BCuP-5 classification. The absorber plate shall be designed for 160 psig maximum operating pressure.

Due to SunEarth's policy of continuous product improvement, specifications are subject to change without notice.

<p>MANUFACTURED BY:</p>  <p><b>SUN EARTH INC.</b> 8425 Almeria Avenue • Fontana, CA 92335 (909) 434-3100 • Fax (909) 434-3101 <a href="http://www.sunearthinc.com">www.sunearthinc.com</a></p>	<p>AVAILABLE FROM:</p>  <p>QUALITY BROTHERS GRAPHICS FULL SERVICE PRINTERS</p>
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