

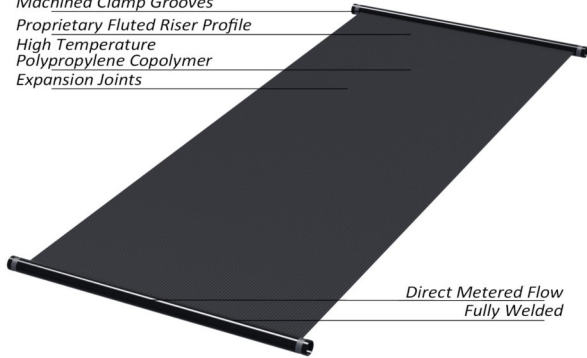


### Applications



Solar Pool Heating

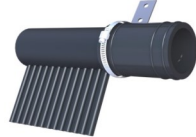
Machined Clamp Grooves  
Proprietary Fluted Riser Profile  
High Temperature Polypropylene Copolymer  
Expansion Joints



Direct Metered Flow Fully Welded

Glass Reinforced PP Header Clamp

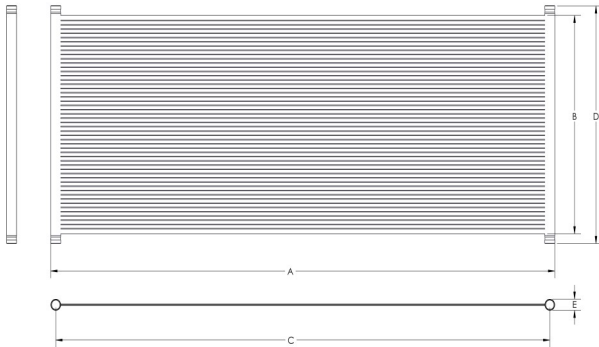
Optional Stainless Steel Mounting



### Available Connections

- 1 1/2" Dual Durometer Coupling
- 2" Dual Durometer Coupling

### Dimensions



F = Fluid Capacity (gal.)  
G = Gross Area (ft<sup>2</sup>)

W = Dry Weight (lbs)  
WD = Water Design Flow Rate (GPM)

SHD = Std. Header Diameter Nominal

MODEL	A(in)	B(in)	C (in)	D(in)	E (in)	F	G	W	WD	SHD (in)
OPP-48-2	143.64	46.80	141.73	50.50	2.40	3.8	47.25	22.3	5.0	2
OPP-40-2	118.08	46.80	116.17	50.50	2.40	3.5	39.29	18.1	4.0	2
OPP-32-2	94.44	46.80	92.53	50.50	2.40	3.1	31.43	15.3	3.25	2

### Thermal Performance Ratings\*

Collector Output BTU/ft <sup>2</sup> *Day			
Category (Ti-Ta) <small>Ti= inlet fluid temp Ta=ambient temp</small>	Clear (2000)	Mildly Cloudy (1500)	Cloudy (1000)
A(-9°F)	1,800	1,400	1,000
B(9°F)	1,040	640	280

A-Pool Heating (Warm Climate) B-Pool Heating. Thermal performance is obtained by multiplying the collector output for the appropriate application and insolation level by the total gross collector area. Derived from International Association of Plumbing and Mechanical Officials (IAPMO) 5100.4 testing.

### Materials

Collector Material: Polypropylene Copolymer  
Max. Instantaneous Efficiency: 92% (Equal collector/ambient temp. 0 mph wind)  
Header Size: 2" and 1 1/2" Nominal

### Design Limits

Internal Static Test Pressure: 100psig  
Working Pressure: 50psig  
Max Flow Rate: 25gpm

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





MODEL	A(in)	B(in)	C (in)	D(in)	E(in)	F	G	W	WD	SHD (in)
OPP-48-1.5	143.64	46.80	141.73	50.50	1.92	3.2	47.25	21.5	5.0	1.5
OPP-40-1.5	118.08	46.80	116.17	50.50	1.92	2.9	39.29	17.1	4.0	1.5
OPP-32-1.5	94.44	46.80	92.53	50.50	1.92	2.5	31.43	14.3	3.25	1.5

## ENGINEERING SPECIFICATIONS

### GENERAL:

The following shall be the specifications for the solar collectors. Collectors shall be SunEarth Oasis OPP model \_\_\_\_\_, and shall be of the unglazed liquid flat plat type. Collectors shall meet or exceed the minimum standards established by the International Association of Plumbing and Mechanical Officials (IAPMO) and shall include NSF-50 listing.

The collector shall be fabricated from a propylene copolymer with stabilizer combination providing long term resistance to heat and light. The collector shall be capable of withstanding an internal static test pressure of 100 psig and working pressure of 50 psig per ANSI/NSF 50, Annex B.3; shall pass a 20,000 cycle pressure test per Annex B.1, and shall be resistant to corrosion, the effects of freezing, and internal scale accumulation.

### Accessories (Sold Separately):

*The following accessory components are available in order to complete your solar pool system.*

#### 1.5" Accessories:

OPP-10003-1 **1.5" VACUUM RELIEF**, 1.5 inch end cap style vacuum relief valve. For use on ground mounted systems or one story installations.

OPP-12034-1 **1.5" COLLECTOR INSTALL KIT**, Contains two connector hoses (3 3/4" long) four hose clamps (Stainless Steel) two hold-down strap.

OPP-10121 **1.5" & 2" HEADER CLAMP**, Can be used for both 1.5" and 2" headers.

OPP-12135-1 **1.5" SYSTEM KIT 1.5"** Additional hold-down hardware, connection parts and adapters needed to complete water connections from the collectors to the system feed and return line.

OPP-12043-1 **1.5" ADD A ROW KIT**, Used when more than one row of collectors is to be installed.

#### Mounting Accessories:

OPP-10040 **HOLD DOWN STRAP**, Poly-propylene coated stainless steel strap for securing solar pool panels.

OPP-10011 **STRAP HOLD DOWN CLAMP**, Stainless steel end clamp assembly with set screw for securing hold down strap.

#### 2" Accessories:

OPP-10003-2 **2" VACUUM RELIEF**, 2 inch end cap style vacuum relief valve. For use on ground mounted systems or one story installations.

OPP-12034-2 **2" COLLECTOR INSTALL KIT**, Contains two connector hoses (3 3/4" long) four hose clamps (Stainless Steel) two hold-down strap bracket, and one outlet header hold-down bracket assembly.

OPP-10121 **2" HEADER CLAMP**, Can be used for both 1.5" and 2" headers.

OPP-10117-2 **2" ALUMINUM HEADER CLAMP**, 2" Aluminum Header Clamp Assembly.

OPP-12135-2 **2" SYSTEM KIT, 2"** Additional hold-down hardware, connection parts and adapters needed to complete water connections from the collectors to the system feed and return line.

OPP-12043-2 **2" ADD A ROW KIT**, Used when more than one row of collectors is to be installed.

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