

Technical Specifications for SwimMaster Plus Solar Collector

Solar collector specifications - part number	SM-08	SM-10	SM-12
Nominal Size (feet)	4x8	4x10	4x12
Width (header length in inches)	48.8	48.8	48.8
Width Installed (includes space between headers in array)	49	49	49
Space between absorbers when installed (inches)	2.9	2.9	2.9
Length	96	120	144
Header Inside Diameter (inches)	2	2	2
Net Collector Area (square feet)	30.4	38	45.6
Net weight Empty (pounds)	15.2	18.1	21
Water Capacity (gallons)	3.48	4.03	4.61
Recommended Water Flow Rate (gallons per minute)	3.2	4	5
Pressure Loss @ Recommended Flow Rate (psi)	0.05	0.09	0.14
Maximum Operating Pressure (psi)	40	40	40
Absorptivity	0.97	0.97	0.97
Emissivity	0.9	0.9	0.9
Heating Capacity, Certified by FSEC (BTU /sq.foot/day)	1000	1000	1000
Heating Capacity, Certified by FSEC (BTU/collector/day)	30,400	38,000	45,600

Horizontal space required to install an array of SwimMaster Plus Solar Collectors

# of Collectors	Width of Array
5	20'5"
6	24'6"
7	28'7"
8	32'8"
9	36'9"
10	40'10"
11	44'10"
12	49'

