

Aquatherm Header Extenders

The following table and diagrams illustrate usage and measurements of the Aquatherm Header Extenders. These extenders connect to panels using the standard Aquatherm panel connector hoses (Sun Source part numbers 09-0060 and 09-0080) and stainless clamps (09-0162).

Using the extenders provides a low cost alternative to install a panel array around roof obstacles such as large vents, fans, and skylights. These may also be used in temporary situations, such as keeping a system operational during panel replacement, or spacing a system for future expansion.

Aquatherm Header Extenders are available in standard lengths of 1 to 4 feet, corresponding with the standard widths of Aquatherm's Solar Industries Pool Heating Panels.

The table below provides the panel spacing measurements for header extenders when coupled with any combination of 3 3/4" or 7" connector hoses.

Obstacle Spacing	Header Spacing	Clamp Spacing	Header Blank Size					3 3/4" Hose 09-0060	7" Hose 09-0080	Figure
			8 1/2" 09-0928	1' (15") 09-0300	2' (27") 09-0310	3' (39") 09-0320	4' (52") 09-0330			
12"	8 1/2"	9"	1	-	-	-	-	2	-	A
16"	12 1/2"	13	1	-	-	-	-	1	1	B
19"	15 1/2"	16"	1	-	-	-	-	-	2	C
19"	15 1/2"	16"		1	-	-	-	2	-	A
23"	19 1/2"	20"		1	-	-	-	1	1	B
26"	22 1/2"	23"		1	-	-	-	-	2	C
31"	27 1/2"	28"		-	1	-	-	2	-	A
35"	31 1/2"	32"		-	1	-	-	1	1	B
38"	34 1/2"	35"		-	1	-	-	-	2	C
43"	39 1/2"	40"		-	-	1	-	2	-	A
47"	43 1/2"	44"		-	-	1	-	1	1	B
50"	46 1/2"	47"		-	-	1	-	-	2	C
55"	51 1/2"	52"		-	-	-	1	2	-	A
59"	55 1/2"	56"		-	-	-	1	1	1	B
62"	58 1/2"	59"		-	-	-	1	-	2	C

"Obstacle Spacing" refers to the distance between the panel absorbers. This is the maximum width of an obstacle that can be spanned with a given header blank and hose combination.

"Header Spacing" refers to the actual distance between ends of the solar panel headers.

"Clamp Spacing" refers to the on-center distance between stainless hose clamps attached to 2-hole header brackets (09-0050).

Aquatherm lists the extenders by width of panel absorber area, however the actual length is several inches longer due to header protrusion into the connector hose.

The 7" Connector Hose (09-0080) may be cut to any length between 4" and 7" to accommodate unique situations.

Figure A: Header Extender With Two 3 3/4" Connector Hoses



Figure B: Header Extender With One 3 3/4" & One 7" Connector Hose

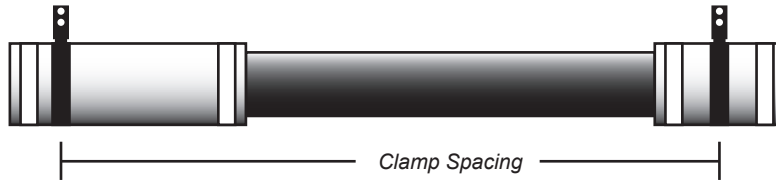
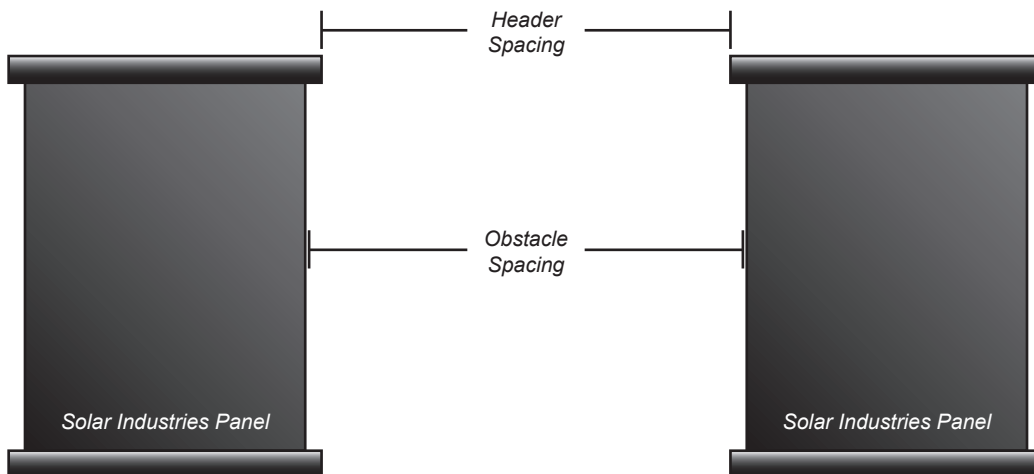


Figure C: Header Extender with Two 7" Connector Hoses



Figure D: Panel Header Spacing With Extenders



Sun Source Energy Products, Inc.

PO Box 31 • Netcong, NJ • 07857
973•691•6911