



SunEarth

THE SunHelix SERIES
COPPER COIL EXCHANGER SPECIFICATION

Applications



Solar Water Heating



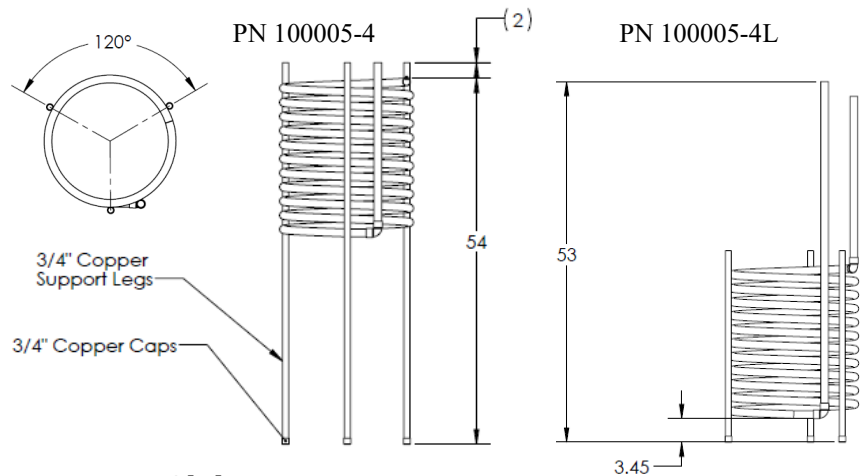
100004-5 and 100005-4L STACKED SHOWN

Technical Specifications:

SunHelix

Coil Material:	1" Type L Copper
Brazing Material:	BCup-3
Leg Material:	$\frac{3}{4}$ " Copper
Design Pressure:	450 PSIG
Applicable Fluids:	Water & Propylene Glycol

Dimensions:



General:

The SunHelix represents a cost effective heat exchange solution. Fabricated from seamless copper tubing with no ferrous metal components, the SunHelix is nearly impervious to corrosion and allows for direct sweated connections without the need for troublesome dielectric unions.

High temperature 5% silver brazed joints ensure high strength and are not affected by lower temperature flames used for sweating the connections. The legs can be adjusted to accommodate different tank heights.

Sizing :

Size of The Array	Number of Coils 100005-4	Heat Transfer Capacity*
320 ft ²	1	80kBtu/hr
1280 ft ²	4	320kBtu/hr
2560 ft ²	8	640kBtu/hr
3840 ft ²	12	960kBtu/hr

*Capacity condition parameters: LMTD 15°F, 8.4gpm per coil, pure water

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Part Number	Description	Coil Height	Overall Height	Coil Pitch	Coil OD
100005-4	50FT 1" HX Coil 18" OD	22 1/2"	56"	2 1/8"	18"
100005-4L	50FT 1" HX Coil 18" OD	22 1/2"	53"	2 1/8"	18"

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



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