

United Solar Supply LLC

Solar Thermal Equipment for a Better Tomorrow

Detailed Assembly Instructions

Line Set - Setup



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Thanks for choosing our pre-Insulated Line Set.

To avoid injury or potential damage to the product, please read the full instructions.

Installation is to be performed by a trained professional. We will not accept liability for damage done to persons or property resulting from the improper handling or usage of this product.

The Warranty of this product is valid only when the product was installed, checked and maintained by a trained professional and in accordance with the instructions detailed in the Line Set Setup.

Stocking and Transportation:

The pre-insulated line set is packaged in cartons. be sure they always remain horizontal to avoid the insulation from taking a permanent set or indentation. The insulation may be reduced at these points.



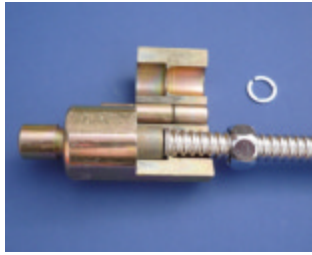
Product Features:

- Our Pre-insulated Line set is an easy-to-install tubing system design reducing energy loss and decreasing installation time.
- The line set contains 2 fully insulated corrugated stainless steel piping with sensor cable all enclosed in a UV resistant Jacket.
- The continuous Line Set allows for connection from the collector to the pump without any joints.
- The 1" insulation is suitable for outdoors.
- The Flow and return lines can be easily separated, as needed since they are independently insulated.

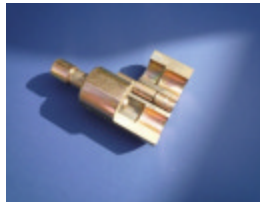
Assembly Instructions:

1) Cut the corrugated tubing to the desired length with a pipe cutter (purchased separately)

2) Slide a nut on the corrugated tubing. Form Flange at first convolution using the Flange tool from the Line Set Tool kit (purchased separately) See accompanying pictures.



3) Close a clip ring around the first corrugation at the end of the tubing and Install the sealing gasket inside the nut.



Safety Precautions:

Always follow best practice for fall protection when working on roofs or high structures. The Tubing should be cut properly. Clean and neat to avoid injury. Always wear safety glasses when drilling or using other tools.

Warning:

Ensure that Stainless Steel tubing does not contact acidic building materials. This can cause failure of product. Glycol for example may become acidic over time and it is necessary to monitor the pH levels and change Glycol as necessary.

Whenever domestic hot water is heated by an exchanger in a closed system only non-toxic antifreeze solutions should be used in the transfer fluid.

Do not bend the corrugated stainless tubing more than necessary. This may cause metal fatigue and result in product failure.

Do not damage sensor cable when cutting insulation.

Ensure the flow and return pipe are connected properly as per best practice.

When commissioning a system always Test and Check for leaks at all connections and the entire length of the tubing.

Maintenance:

Check the connections for leaks and tightness.

Replace damaged insulation as required, Do Not damage sensor cable when cutting insulation.