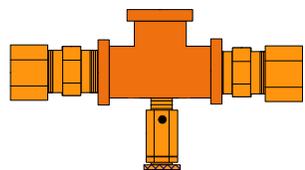
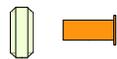
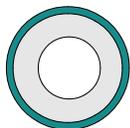


Part # 077.0071

Glycol Retrofit Fittings for Heliatos EZ-Connet Solar Water Heating Systems

Expansion Tank Fitting
with 25psi Pressure
Relief Valve4 Sets of Nylon Ferrules and
Brass Inserts for PEX Tubing

014.0019



1 Roll Teflon Tape



2 HEX Coupling



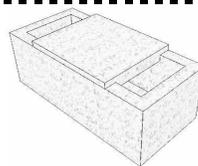
1 Tube Plumbing Sealant



1 1/2" Brass Nipple



2 1/2" Brass Elbow

1 Push Fitting Pipe
Removal Tool1 3/8"OD Compression to
1/2" Male Pipe Adapter1 3/8"OD Compression to
1/2" Female Pipe AdapterIncluded
Separately:1 Copper Tube
Connector1 Foam Insulator Box
for Heat Exchanger

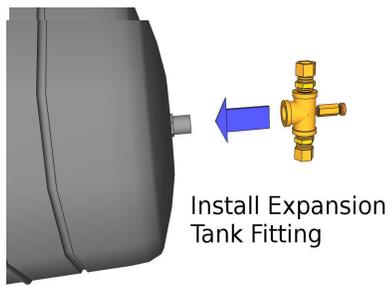
If you have never used compression fittings before please refer to our video online :

<http://youtu.be/eQGL8MBLlaE>

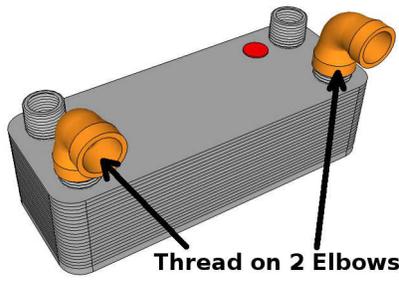
When installing the fittings and parts onto the heat exchanger the sequence is important. Changing the sequence will cause you to be unable to complete the installation.

- 1) Thread the Expansion Tank into the special expansion tank fitting (using [Plumbing Sealant](#))
- 2) Thread the two brass elbows onto the heat exchanger (using [Plumbing Sealant](#)). Please look at the diagram on the opposite page. The red dot placed on the heat exchanger helps to locate the ports the elbows go on.
- 3) Thread a hex coupling onto the port next to the red dot. Then thread a nipple into the coupling (using [Plumbing Sealant](#) on both).
- 4) Thread another hex coupling onto the remaining port on the heat exchanger (using [Plumbing Sealant](#)).
- 5) Thread the heat exchanger assembly into the cold (left) side of the bottom feed connector (using [Plumbing Sealant](#)). The nipple (near the red dot) will thread into the ball valve.
- 6) Thread the first pump into the HEX coupling and the second pump into the Elbow at the top of the heat exchanger (using [Teflon Tape](#)). The first pump should pump AWAY from the heat exchanger and the second pump INTO the heat exchanger. The arrow on the pump body points towards the output side. **Please use a wrench on the brass thread you are installing, NOT the one on the opposite side of the pump. The pump cannot withstand tightening torque.**
- 7) Thread the 3/8"OD Compression to 1/2" Male Pipe Adapter onto the first pump and the 3/8"OD Compression to 1/2" Male Pipe Adapter into the right ball valve on the Bottom Feed Connector. Then install the Copper Tube Connector as shown in the diagram.
- 8) Now you can connect the two pipes from the panels as shown in diagram 8. You should use the fittings that were originally on the bottom feed connector.

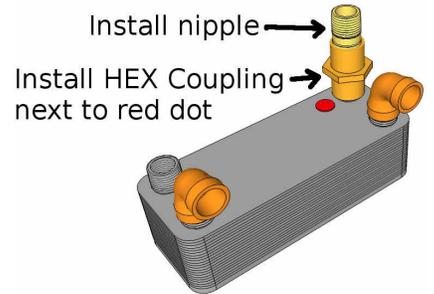
You can find more details on these steps in the "Installation Instructions for Glycol Retrofit kits for EZ-Connect Systems". These instructions are included in complete kits or are available online at <http://www.heliatos.info/instructions/EZRetrofit.pdf>



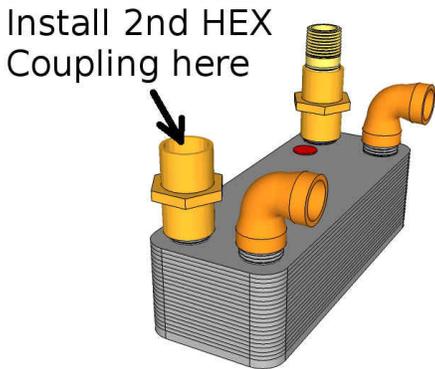
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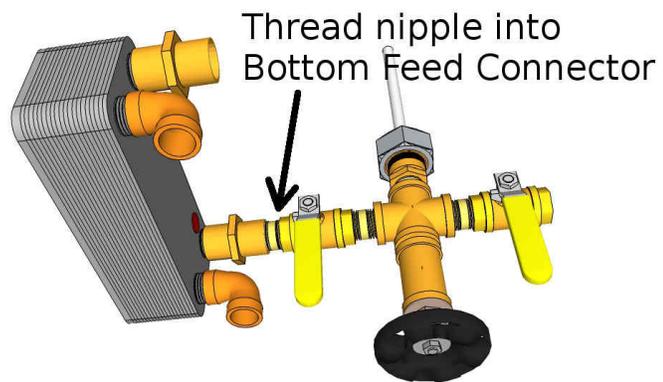
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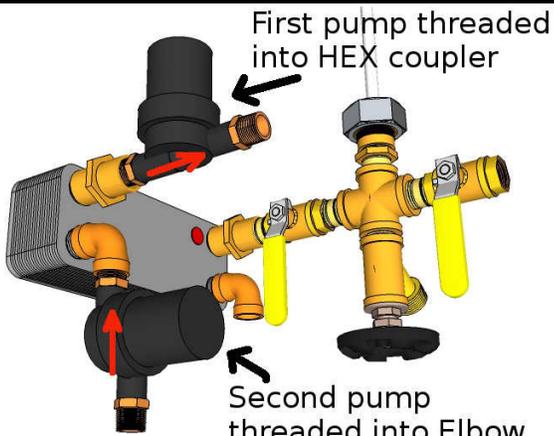
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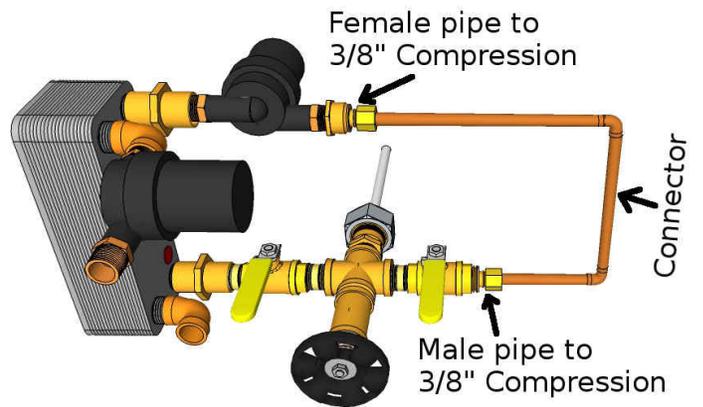
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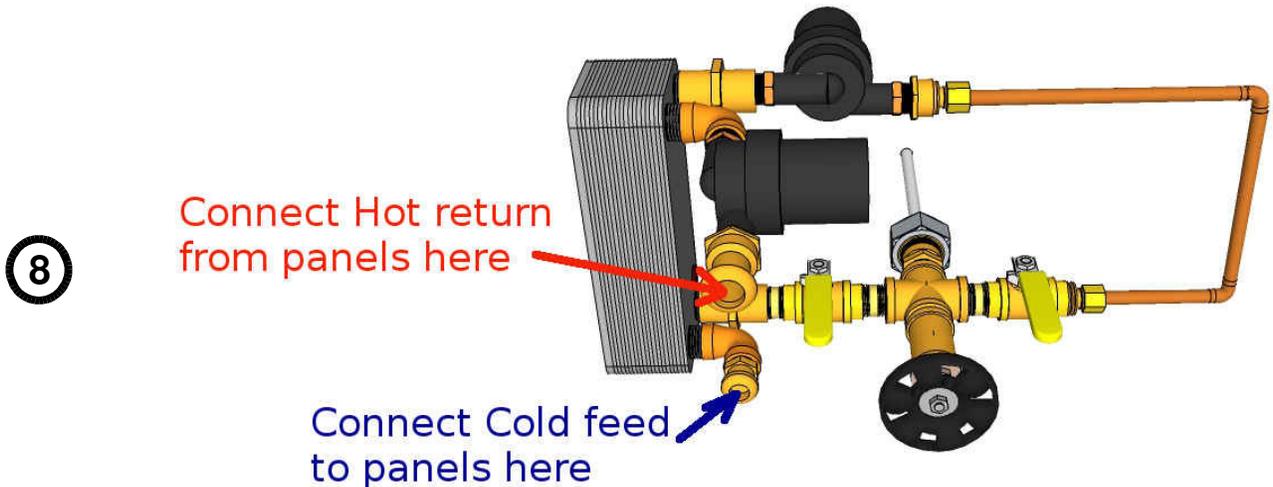
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6



7



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