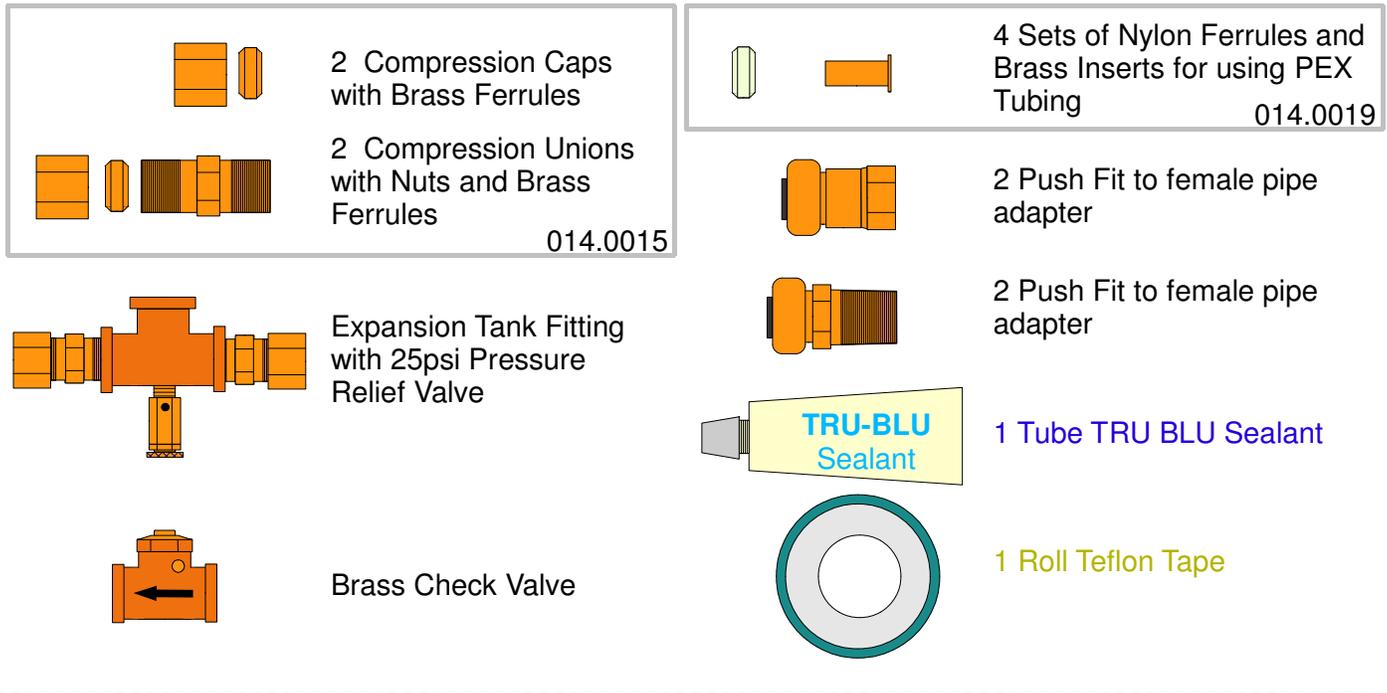


Part # 077.0061

Complete Fittings Kit for Heliatos GS Solar Water Heating Systems

Contains:



Use this kit if you are using standard 1/2" CPVC or copper pipes, or 1/2" PEX.

If you have never used compression fittings before please refer to our video online : <http://youtu.be/eQGL8MBLlaE>

- 1) Thread the Expansion Tank into the special expansion tank fitting (use **Sealant**)
- 2) Install compression unions onto one side of each of the panels (use **Sealant**). Please refer to the EZ connect installation instructions for details on this step. This allows you to thread all the panels together to form an array.
- 3) Install the pipes to and from the water heater on the compression unions (use **Sealant**). For copper and CPVC pipe use the brass ferrules and for PEX use the nylon ferrules and brass inserts.
- 4) Install compression unions on the opposite side of the set of panels (use **Sealant**).
- 5) Install the two compression caps on the unions with brass ferrules to cap off the pipes on the side (use **Sealant**). The brass ferrules make it easier to achieve a watertight seal.
- 6) After removing the CPVC portion of the Sidewinder thread the pump onto the cold (blue) side (use **Teflon Tape**). Please make sure the pumping direction is AWAY from the Sidewinder. **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. Do not overtighten This can cause the CPVC fitting on the Sidewinder to crack.**
- 7) Thread the check valve onto the pump (use **Teflon Tape**). Please make sure the check valve ends up horizontal in the final installation.
- 8) Thread the push fit to male adapter into the check valve (use **Sealant**).
- 9) Thread the other push fit to female adapter onto the Sidewinder hot side (use **Teflon Tape**).
- 10) After threading the CPVC portion of the Sidewinder back into the metal portion push the two pipes from the panels into the respective push to fit adapters.

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

