

Warm The Sole SoLo Underfloor Heating Kit



Hello,

Thanks for purchasing this UFH kit from ufh-shop.co.uk. The SoLo kits are the best value for money underfloor heating kits in the UK; quality components sourced from Europe's leading manufacturers, coupled with an unbeatable price and all the components needed to get your system up and running.

This booklet should contain all the information you need to advise you on installing, filling & pressure testing and commissioning the SoLo underfloor heating system. There are also standard layout diagrams for the plant and wiring. However if you are unsure about anything please give us a call our number is 01463 740740.

Finally we have added some information at the end to aid in the care and maintenance of your Warm The Sole system. You have opted for one of the best floor heating kits around, this information will help you keep it that way.

We thank you again for your purchase.

Best Regards

The Warm The Sole Team

Component Parts

This kit contains the following products

	Kit Size				
	10m ²	15m ²	20m ²	25m ²	30m ²
Manual	✓	✓	✓	✓	✓
single circuit mixing unit & pump	1	1	1	1	1
60mm staples	✓	✓	✓	✓	✓
16mm pert-al-pert pipe	50m coil	80m coil	100m coil	2 x 80m coils	2 x 80m coils
Fittings 16mm x EK	✓	✓	✓	✓	✓
Splitter	✗	✗	✗	✓	✓
Digital clockstat	✓	✓	✓	✓	✓
25m Border insulation	✓	✓	✓	✓	✓

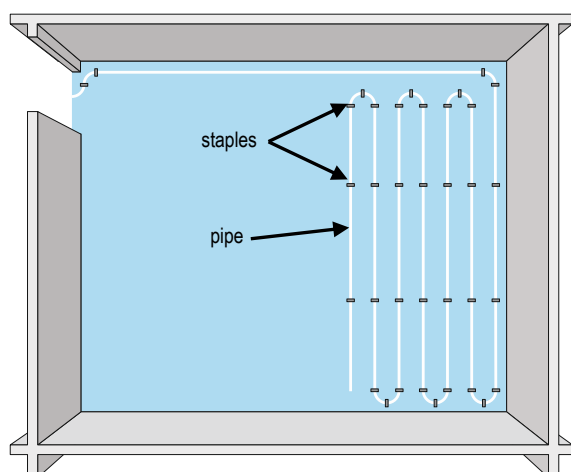
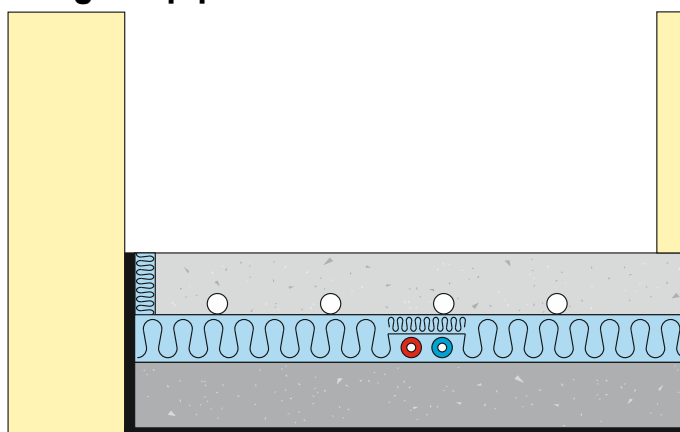
If there is anything missing (even this manual!) please give us a call straight away on this number 01463 740740.

Installing the pipe

The supplied kit is suitable for a screeded floor (Standard Sand & Cement) as shown right

This floor construction consists of 65-70mm screed on extruded polystyrene insulation over base slab on DPM, sand and compacted hardcore.

This type of floor construction gives excellent results with UFH and is more responsive than a slab floor.



Method of Fitting the UFH Pipe

The plastic staples are used to hold the pipe to the insulation until the screed has been poured and set.

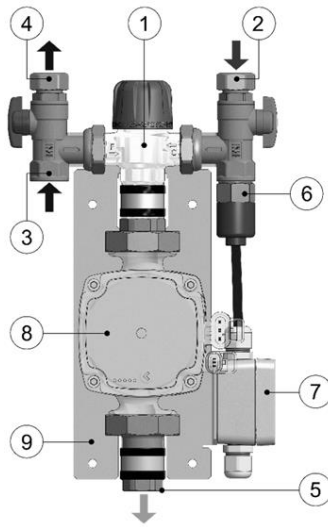
Pipe is laid at prescribed centres (200mm is standard) as shown left. Staples are clipped over the pipe at about 600-800mm apart as shown.

At the pipe turns use the clips just before the bend, at the mid-point and as the pipe run goes straight again. Add staples to any other bits of pipe work that are not secured to the insulation.

When all pipe work has been installed and connected back to the manifold, the completed installation is ready for pressure testing

Note: If using self-levelling liquid screed it is important that all joints in the insulation panels are taped including around the perimeter. Pipe fixings will also have to be doubled as this type of screed is very dense and could cause the pipe to "float" to the surface

Installing the manifold



The single circuit mixing unit is a distribution unit ensuring reliable flow temperature control, flexible installation and easy start-up. It comes complete with pre-wired variable speed booster pump and it is secured to anti-vibration brackets. 2 x $\varnothing 15$ copper pipe screw fittings for boiler inlet and return connections are also included in the package.

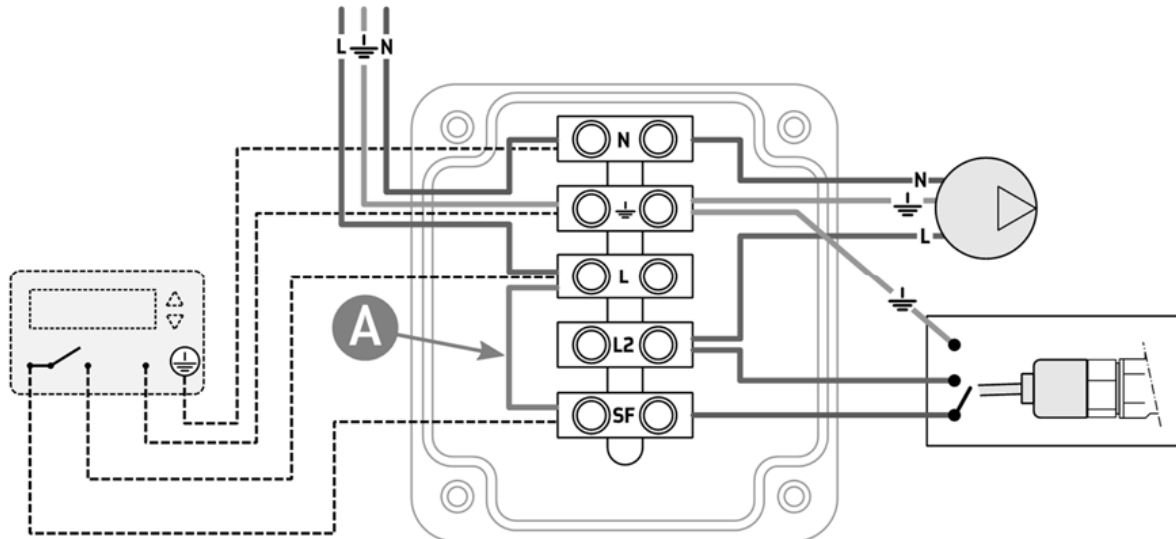
The Key is as follows

1. Thermostatic blender
2. Boiler hot water inlet ($\varnothing 15$ copper pipe screw fitting) + shut-off valve
3. Return cold water inlet + shut-off valve
4. Return to boiler ($\varnothing 15$ copper pipe screw fitting)
5. Flow to heating system
6. Heating water normally-open thermostat
7. Electrical terminal block
8. Booster pump (where provided)
9. Mounting bracket

Attach the manifold to the wall. The floorheating pipes are fitted to outlet 5 (the flow) and outlet 3 (the return). If the pack contains two splitters, fit these to the flow and return first. The pipes are installed as shown in the previous page.

To fill the system, attach a water source to valve inlet 2 ensuring that the thermostatic blender is wound down to low. The water will fill the loops of pipe and return out through valve 4, this should have a length of hose emptying into a bucket or drain. Valves 2 & 4 should be in the open position. Note if using 2 loops an effort should be made to keep the loops as close to the same length as possible.

Electrical



All wiring should be undertaken by qualified personnel in compliance with international and local regulations.

A fused spur should be provided adjacent to Single circuit mixing unit to provide power.

The connection box is supplied with a link instead of the room thermostat. In case a room thermostat is required, remove the link (A in diagram above) and connect the thermostat in its place.

The pump comes pre-wired to the connection box.