

IMPORTANT NOTE – Please Read

This picture guide is supplementary and does not replace the installation instruction manual supplied with the Pipe+ HE. Before starting installation please read all content provided with the Pipe+ HE.

RECOUP PIPE+HE

INSTALLATION PROCESS IN PICTURES

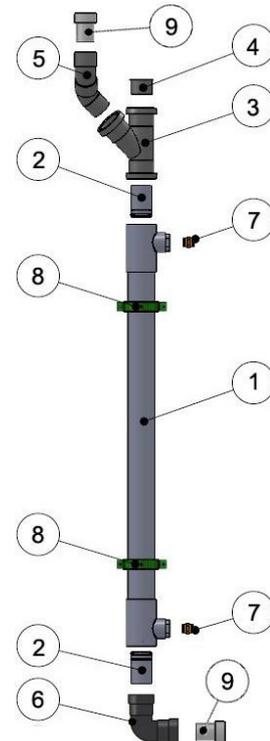
Contents of Ancillary kit box 2



Contents of packaging & Component Arrangement

Box	Part No.	Qty.	Name
1	1	1	RECOUP Pipe+ HE WWHRS unit - Ø 63mm*
2	2	2	Coupling insert - Ø 50mm*
2	3	1	T-piece 45° - Ø 50mm*
2	4	1	Cap (insert) - Ø 50mm*
2	5	2	45° connector - Ø 50mm x 45°
2	6	1	90° connector - Ø 50mm x 90° Alternative to item No. 6
2	7	2	Double Pipe Nipple – ½" Male BSP (Connects to either a 15mm or 22mm pipe with reducer)
2	8	2	Mounting bracket - Ø 63mm Wooden plugs - M8 x 80mm
2	9	2	Ø 50mm reducer to 40mm push-fit or Solvent weld
2	10	1	Installation instructions
2	11	1	NCM (SAP) Identifier label for nearby boiler or service cupboard.

*All waste pipe fittings are push-fit (50mm O/D). Part No. 9 is supplied to convert these to a UK 40mm push fit or solvent weld waste system (O/D 43 mm)



Before starting check section 3. c. of the installation instructions supplied with the Pipe+ HE for guidance on locating a suitable area for installation.

The unit must be installed vertically on a suitable flat wall capable of holding the weight of the unit. If the mounting is not vertical the efficiency of the unit could be reduced, and installation should always be within a tolerance of +/- 20mm.

Use the images and instructions on the following pages to assist you with the installation process. Work down each column following the numbered text below each corresponding image. An installation video can also be found our website to assist, www.recoupwwhrs.co.uk.

WALL MOUNTING THE PIPE+ HE UNIT



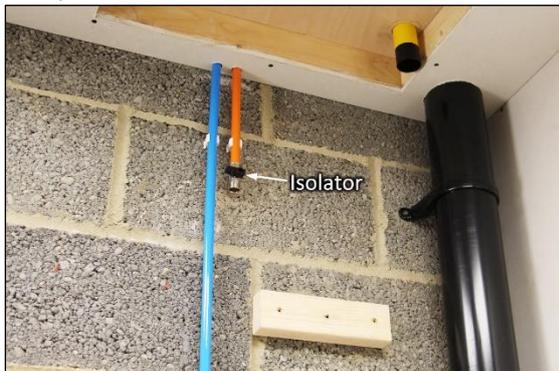
1. Identify the main connection location points for the Pipe+ HE within the install area.



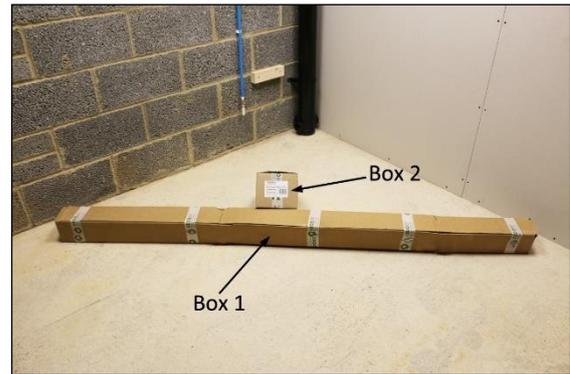
2. If the wall surface is not suitable for direct fixing the Pipe+ HE, then timber battens should be fitted. Allowing for the brackets to be 1500mm apart with suitable clearance top and bottom.



3. It is recommended that an isolator (not supplied) and double check valve (not supplied) is installed onto the mains cold water supply prior to the Pipe+ HE.



4. It is recommended that an isolator (not supplied) is installed on the pipe for the preheated water out.



5. There are two product boxes required. Box 1 contains the Pipe+ HE, and Box 2 the installation kit.



6. See Section 4.a. for assistance in identifying the component parts.



7. Mark the wall or battens with the position for the mounting brackets screw fixings (Item 8). Ensure the positions are vertically aligned and 1500mm apart with suitable clearance top and bottom. Drill fixing holes with a suitable size and type of drill bit.



8. Screw the mounting brackets screw fixing (Item 8) into the prepared hole. Repeat the process for the top and bottom brackets and ensure both are inserted to the same depth.



9. Screw the main clamp part of the mounting bracket (Item 8) onto its fixing screw and tighten for both the top and bottom positions.



10. Ensure the mounting brackets are positioned horizontally and the opening part of the bracket clamps face the same direction.



11. Position the Pipe+ HE (Item 1) within the clamps of the mounting brackets so that it is equally positioned top & bottom.



12. Starting with the top clamp and repeating for the bottom clamp, push the tightening screw through the outer clamp arm and tighten until the clamp grips the pipe.



13. Check the position of the mounting brackets from the end of the Pipe+ HE and adjust if required. Should be approximately 250mm top and bottom.



14. Check the pipe has been installed vertically and within a tolerance of +/- 20mm. Once the position is confirmed fully tighten the clamps

CONNECTING THE SHOWER WASTE



15. The shower waste pipe can be a \varnothing 50mm or 40mm push-fit, or \varnothing 43mm O/D solvent weld pipe.



16. A \varnothing 50mm reducer (Item 9) is supplied for use with \varnothing 40mm push-fit or solvent weld pipe. Push the reducer onto the pipe.



17. Push a coupling insert (Item 2) into the top of the Pipe+ HE.



18. Push the Cap insert (Item 4) into the top of the straight section of the T-piece (Item 3). The straight position must not be used to connect to the shower waste pipe.



19. Insert one of the 45° connectors (Item 5) into the 45° opening of the T-piece (Item 3).



20. Insert the second 45° connector (Item 5) into the end of the other.



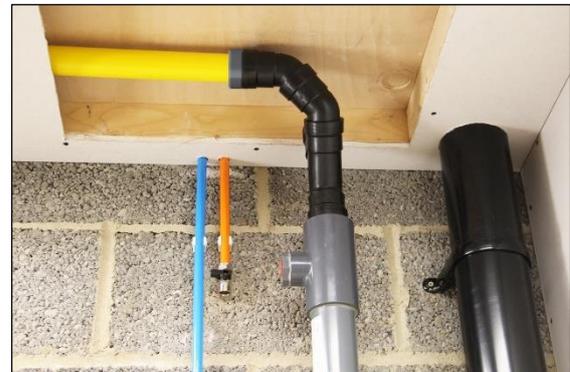
21. Connect the open end of the second 45° connector (Item 5) onto the reducer attached to the shower waste pipe.



22. Connect the bottom of the T-piece (Item 3) onto the top of the Pipe+ HE and the coupling insert (Item 2).



23. The combination of the T-piece and the two 45° connectors allow manipulation of the constructed coupling to achieve multiple positions to connect to the shower waste pipe.



24. If the shower is located further away from the Pipe+ HE position and the shower waste pipe runs horizontally then the constructed coupling can be manipulated to allow for this.



25. The constructed coupling will manipulate to multiple positions either vertical or horizontal but all components must be used in the order shown.

CONNECTING TO THE SOIL STACK



26. The soil stack connection pipe can be a \varnothing 50mm or 40mm push-fit, or \varnothing 43mm O/D solvent weld pipe. A second \varnothing 50mm reducer (Item 9) is supplied for use with \varnothing 40mm push-fit or solvent weld pipe.



27. Insert the opposite end of the 43mm solvent weld pipe into the rubber bush of the soil stack junction.



28. Push the pipe further into the soil stack than needed to assist with the connecting to the Pipe+ HE.



29. Push a coupling insert (Item 2) into the bottom of the Pipe+ HE.



30. Connect the 90° connector (Item 6) onto the bottom of the Pipe+ HE and the coupling insert.



31. Slide the pipe and reducer out of the soil stack bush and connect to the open end of the 90° curved sleeve insert (Item 6).

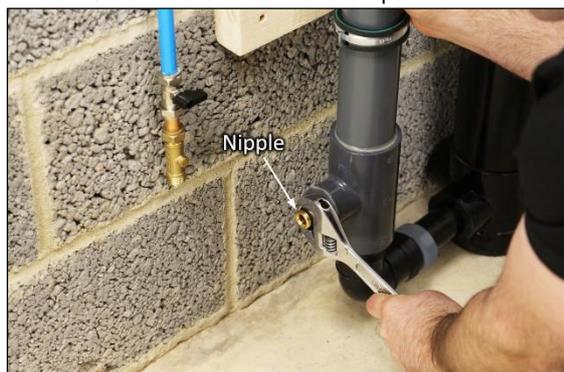


32. The Pipe+ HE is now fully connected to take in the hot shower waste water and expel it to the soil stack

CONNECTING TO MAINS COLD WATER PIPE



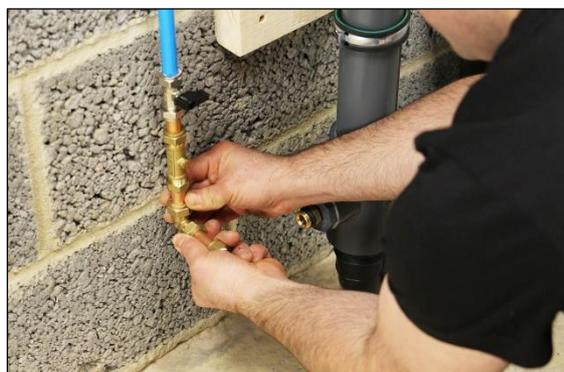
33. Remove the red dust cap from the cold water connection at the bottom of the Pipe+ HE.



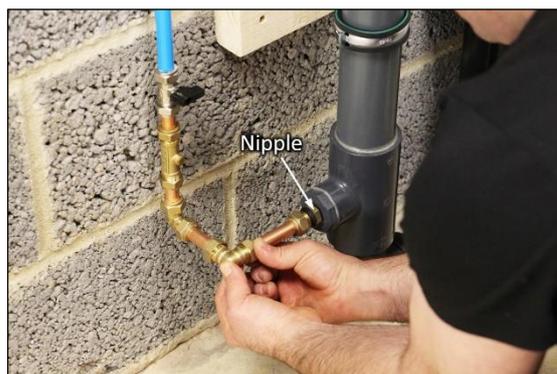
34. Connect one of the ½" Male BSP double sided nipples (Item 7) to the bottom of the Pipe+ HE and tighten with a spanner. Take care not to overtighten.



35. Connect compression fittings and copper pipe to the double check valve off the cold mains water feed.



36. Run the pipework and fittings in an appropriate way for your installation to reach the bottom connection of the Pipe+ HE.



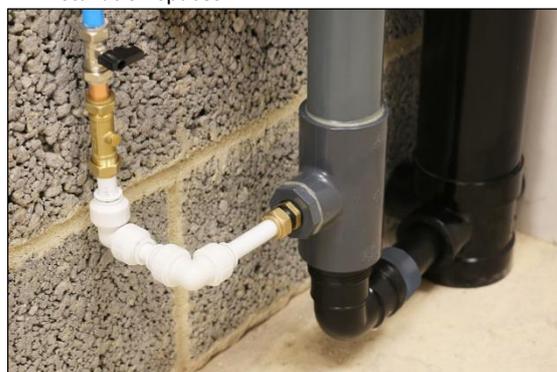
37. Connect the copper pipe with a female compression fitting to the ½" Male BSP nipple. 15mm or 22mm pipes can connect to the Pipe+ HE, for 22mm pipework a reducer will be required.



38. Ensure that all compression fittings are fully tightened and joints sealed.



39. The Pipe+ HE can be rotated in the clamps and alternative pipe layouts created to suit different installation spaces.

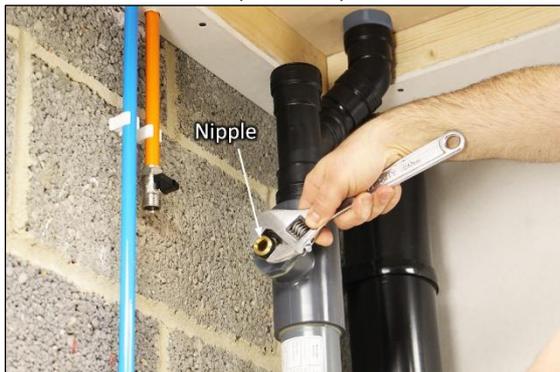


40. PVC connections could be used for connecting the mains cold water feed but copper is considered best practice.

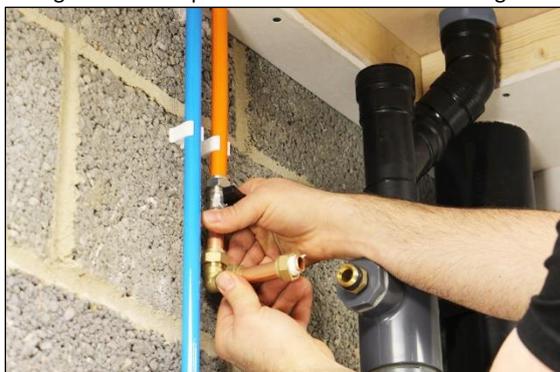
CONNECTING TO THE PREHEATED WATER PIPE



41. Remove the red dust cap from the preheat water connection at the top of the Pipe+ HE.



42. Connect the second ½" Male BSP double sided nipples (Item 7) to the top of the Pipe+ HE and tighten with a spanner. Take care not to overtighten.



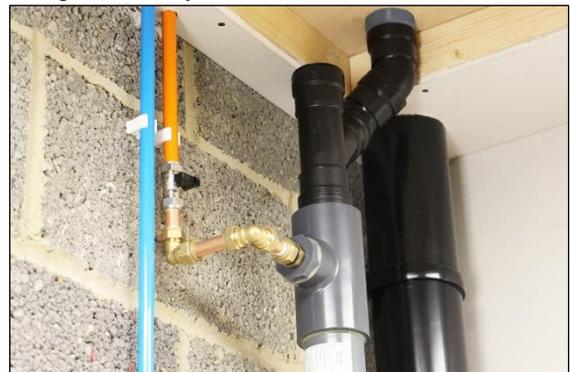
43. Connect compression fittings and copper pipe to the isolator valve off the preheated water pipe. Run the pipework to reach the top of the Pipe+ HE.



44. Connect the copper pipe with a female compression fitting to the ½" Male BSP nipple. 15mm or 22mm pipes can connect to the Pipe+ HE, for 22mm pipework a reducer will be required.



45. Ensure that all compression fittings are fully tightened and joints sealed.



46. Connecting the preheated water pipe completes the installation and the Pipe+ HE is ready to be commissioned.



47. PVC connections could be used for connecting the preheat water pipes but copper is considered best practice.

COMMISSIONING THE PIPE+ HE



48. Open the isolator on the cold water feed to start the cold water flow into the Pipe+ HE.



49. Open the isolator on the preheated water pipe to start the flow from the Pipe+ HE to the shower cold feed and/or cylinder/combi-boiler depending on the system installed from section 3.

50. Check and complete the following: -

- Ensure the preheated water supply is only feeding the DHW water heater and the cold water inlet of the shower's thermostatic mixing valve (System A), the cold inlet of the shower's thermostatic mixing valve only (System B) or the water heater only (System C).
- The preheated water supply from the Pipe+ HE is clearly labelled to avoid future connections of other services. Preheat supply tape is available for this, see Fig.5.
- Pipework between the Pipe+ HE and the water heater and/or cold water inlet of the thermostatic mixing valve is insulated.
- When the complete system is being checked and pressure tested, the Pipe+ HE must be isolated if the system testing is to proceed above 10 bar.
- Ensure the SAP identifier label, supplied on the instruction insert (Item 11), correctly identifies the System installed and is applied near to the boiler in the property, see Fig.6.
- Register the installation (Section 8) to generate the installation / warranty certificate.



Fig.5. Preheat supply tape

51. It is possible to restrict the amount of space required for the installation by minimising the space between the pipework. In this installation spacing was increased for clarity. Through planned orientation the required space and therefore the size of boxing to cover the pipework can be minimised.

NCM (SAP) Identifier	Recoup Pipe + HE	Recoup Energy Solutions Ltd, PO Box 365, Eye, IP22 9BH
Technology type:	Waste Water Heat Recovery System	
Technology category:	Instantaneous Shower Heat Recovery	
Brand name:	RECUP	
Model qualifier:	System A / System B / System C (Delete as appropriate)	
<small>This dwelling has been fitted with a Waste Water Heat Recovery System for Showers which is recognised by the Government's Standard Assessment Procedure (SAP) for Energy rating of dwellings. Note: One label must be permanently fixed to the WWHRS unit and another to a nearby Boiler or Service Cupboard.</small>		

Fig.6. SAP label

INSTALLATION REGISTRATION

The installation of the RECUP Pipe+ HE WWHRS should be registered for SAP and guarantee requirements. Registration can be completed by submitting an online installation registration form. Visit registration.recouppwwhrs.co.uk or scan the QR code to access the form.

Once submitted you will receive your installation registration certificate by email.



Company contact details:

RECUP[®]
recouppwwhrs.co.uk

TELEPHONE: 01379 844010
EMAIL: INFO@RECUPWWHRS.CO.UK
WEBSITE: WWW.RECUPWWHRS.CO.UK

Please post completed documents to: -
Recoup Energy Solutions Ltd, PO Box 365, EYE, IP22 9BH