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Recoup Energy Solutions
Recoup Pipe + HE
User Guide

Version 1.0 Revit 2013
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Recoup Energy Solutions Recoup Pipe + HE BIM Component:

This Recoup Energy Solutions Recoup Pipe + HE component has the ability to be customised and adapted to meet any specification, this is due to the component being fully flexible, allowing the designer to adapt the product to meet specific requirements.

For more information on this component visit the following web address:
www.recoupenergysolutions.co.uk

Below is an illustration of the basic Recoup Pipe + HE:

Recoup Pipe + HE



Loading the Recoup Pipe component into your project:

The Recoup Energy Solutions pipe fitting can be simply loaded into your project using the following method.

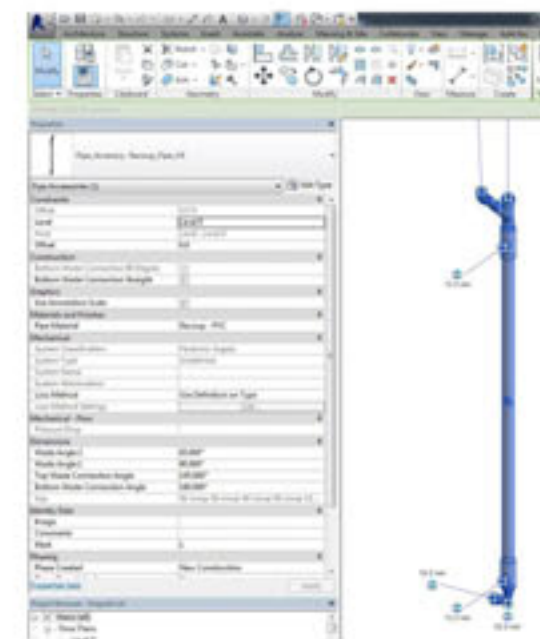
1. Open the Revit file containing your 'Project' and navigate to a suitable view where the component can be placed.
2. Navigate to the 'Insert' tab on the main Revit ribbon and select 'Load Family'



2. Navigate to the location of the saved component that you have downloaded from www.bimstore.co.uk.
4. Click OK to load these components into your project.

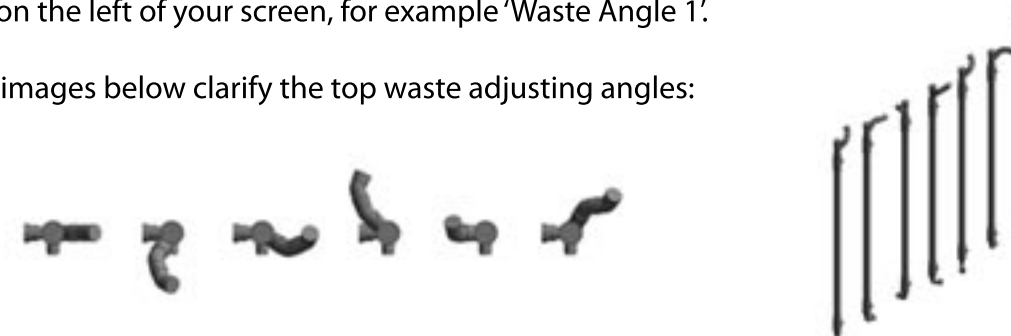
Using the Recoup Energy Solutions component

To access all of the user selectable features within the component simply select the component and refer to the properties dialogue box which appears. (The properties dialogue box is found typically on the left hand side of the screen), shown below:



In terms of how the component works, there are various tick box visibility options and features built into the component. Included in the component are user selectable options for the angle of all connections. Firstly, the 'Bottom waste connection' angle can be rotated accordingly through 180 degrees. Secondly, the 'Top waste connection angle' consists of three pipe fittings, each rotating 180 degrees around one another to allow for a fully flexible top connection, catering for all necessary project requirements. To change the angles, simply select the pipe and type your specific angles into the clearly labelled parameters in the properties tab on the left of your screen, for example 'Waste Angle 1'.

The images below clarify the top waste adjusting angles:



Considerations when using the Recoup Pipe + HE Component

There are three methods of installation for the Recoup Pipe +HE (These methods are the same for all WWHRs). Installation must be on a mains fed hot water system (Unvented Cylinder, Combi-boiler, HIU in centralised plant), and currently for SAP cannot be installed with an electric shower.

Considerations when using Recoup Pipe + HE continued....

The three methods of installation are as follows:

- i. System A - The most efficient way that a system can be installed. Cold water goes into the bottom of the unit and comes out of the top preheated. This then feeds the cold side of the shower and also the water heater.
 - ii. System B – The preheated water only feeds the cold side of the shower.
 - iii. System C – The preheated water only feeds the water heater.
- In a property that requires more than one unit, only one unit can be System A (or C), and the other(s) have to be System B (it is possible to do all units as System B).
 - Depending on layout of the property, it is possible to feed two showers into one unit, however, practical consideration has to be given to the flow rates of the showers to determine if pressure drop could be an issue.
 - The pipe run from the preheat to the cold side of the shower needs to be below 4.75m to keep within our legionella guidance.
 - The main pipe should never be insulated when installed.

Other Notes:

You can add the Recoup Energy Solutions components to your companies template file. This will then allow the component to be available within a new project without having to repeat the loading in process.

Revisions:

Version 1.0 - First Issue

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