

# Welcome to the bathroom



## Waste water heat recovery

According to ZYPHO, a four-person household using an electric shower system can easily spend **£400 on showering per year**, which is a considerable sum of money for most households. In order to minimise this bill, we installed a new wastewater heat recovery system.

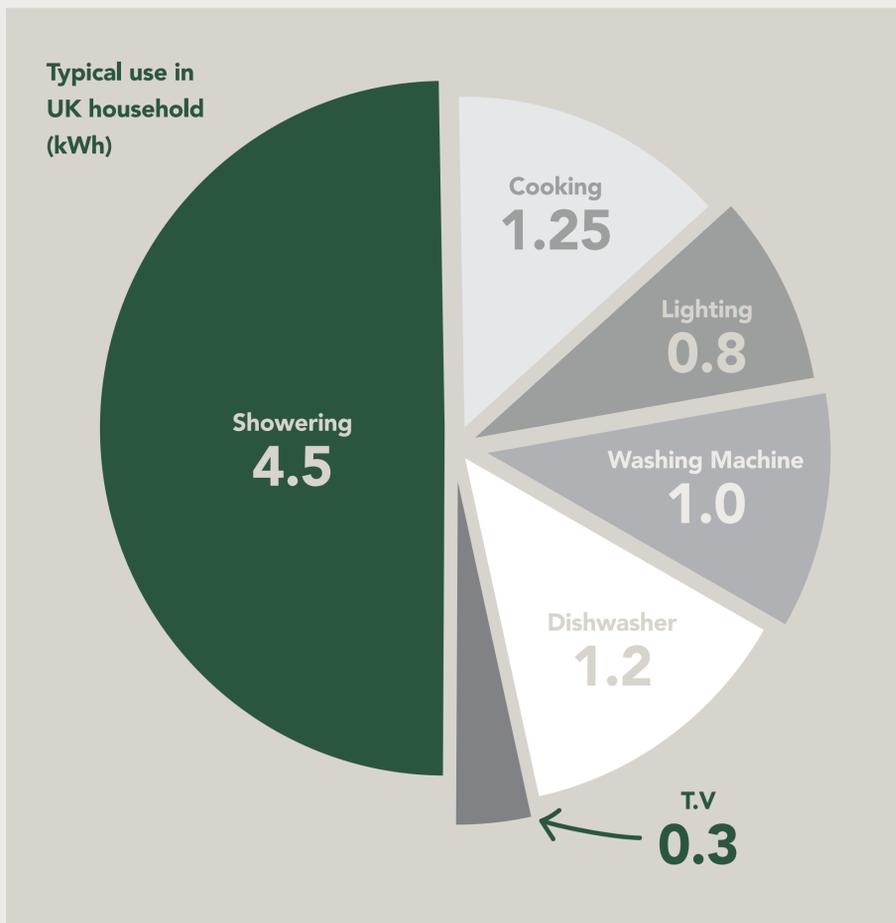
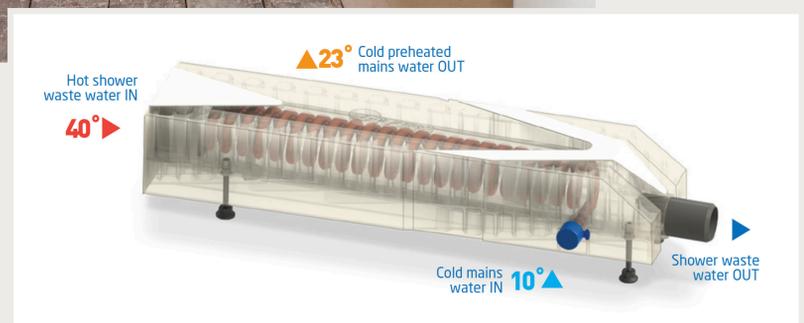
As with the air source heat pump, there are numerous options available, but many people are unaware of their existence – in spite of the impact they may have on fuel bills. They are usually easy to install, with a small system added to the waste pipe under the bath, which takes the warm water and uses it to heat incoming cold water.

There are both vertical and horizontal options available too, which means that they can be installed in a range of properties and are typically hidden, so the occupant never knows it's there.

ZYPHO explains that it can improve shower efficiency by **30 – 65%** (dependent on the model) and may even improve EPC bandings, so it was natural that we added one to 47 Greenleaf Road.



Zypho bath tub system being installed.



## Windows

Adding new windows and doors can improve the performance of many properties, resulting in reduced energy consumption and fuel bills. With approximately **10%** of heat lost through windows and doors, the team carefully considered the options to reduce that figure and maximise the impact of insulation on energy efficiency by installing Low-e glass.

According to the Energy Saving Trust, installing A++ rated double-glazed windows can save the average semi-detached property **£95 per year** on heating bills and

around **405kg** of carbon dioxide. Given those figures, we made the decision to update the low maintenance uPVC double-glazing at 47 Greenleaf Road, rather than adding secondary glazing. The existing frames were kept in place, but the glass was replaced to minimise waste and expense.

The new glass had an innovative low-e coating on the glass to increase its insulation qualities. This sits within the double-glazed unit, allows light and thermal radiation to enter the house, but doesn't allow it to leave, trapping heat within the property.

## Useful tips for at home

If your toilet has two buttons – use the big one for solids and little one for liquids, a lot of people don't know this! And when flushing the toilet nothing except paper and your business to avoid blockages.

Don't keep the water running when brushing your teeth, turn it off!

Having two bins in the bathroom can help you sort your recycling, for example, one for recycling shampoo bottles, toilet roll holders, then you can have another bin for waste.



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