

Create a new source of energy

Shower Pipe ECOshower



Wagner Solar

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**Can reduce
energy
consumption
by 66%!**

Shower Pipe ECOshower

Cuts costs, increases efficiency and is easy to install.

Thanks to improvements in insulation, modern homes require less and less energy for heating. However, the quantity of energy consumed for heating domestic hot water increases year by year. This is mainly due to consumers having greater expectations regarding comfort when taking a shower.

Almost all the energy used to heat this water goes down the drain. This is not only a pity, but also unnecessary, because a Shower Pipe ECOshower can easily recycle most of the heat from the drain water. The waste heat you produce is therefore a sustainable source of energy just waiting to be used.



ECOshower 15

ECOshower – spectacular performance
Reduce energy
consumption by 66 % !

How much can you save?

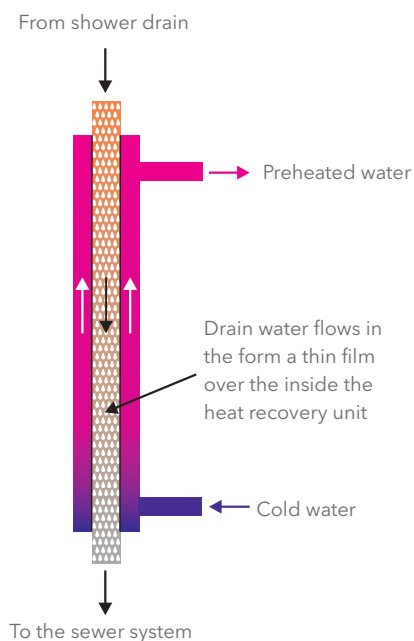
In a standard household with normal energy consumption, this unit will allow you to save 180 m³ of natural gas a year, amounting to a saving of € 126 a year. If your shower water is heated electrically, your shower is used by a greater number of people or you enjoy taking long luxurious showers, your savings will be (much) larger. And this is not even considering expected increases in energy prices.

The Shower Pipe Unit is an effective way to get more out of your existing hot water system. Because some water now enters the system preheated, it draws less cold water from the mains.

How does it work?

The drain water flows downwards through the central pipe. Clean water flows upwards in a spiral in the surrounding sleeve.

The unit makes use of the fact that a falling film of water exchanges heat efficiently. This means that, even though the difference in temperature is relatively small, a large amount of heat energy is transferred. At a shower flow rate of 7.5 litres/minute (40 °C), the net heat recovered is 9.3 kW, which is almost like having a second boiler, at work for free!



Function principle

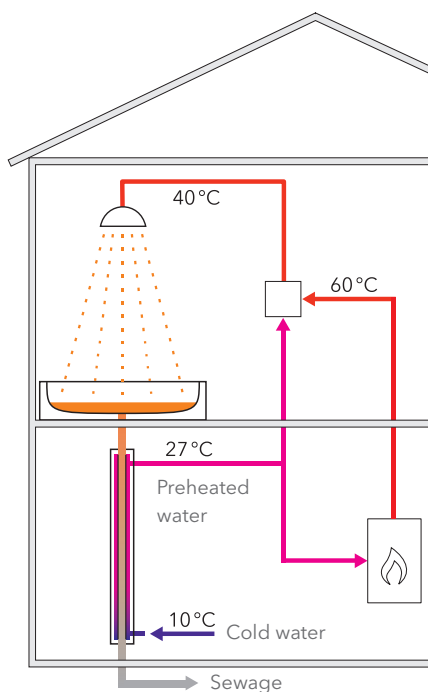
The heat contained in the shower wastewater is passed through the heat exchanger and transferred to the inflowing cold water. The pre-heated water is supplied to the cold water supply of the faucet



Simple installation

You can use the Shower Pipe ECO Shower if your shower is located on an upper floor. It is installed in a precise vertical orientation. The unit does not need to be fitted immediately below the shower

For the best results, we recommend a thermostatic mixer valve. But the system also works with normal mixers..



For example: Connection to shower armature and DHW generator

The Shower Pipe ECO Shower can be combined with other types of sustainable energy systems (including solar collectors, heat pumps and connections to combined heat and power systems).

Safety

European regulations (EN 1717) require that double walls must be used to separate drain water and drinking water. In the Shower Pipe ECOshower this is accomplished by squeezing two copper pipes against each other. This creates a very sturdy and reliable construction, in which the contact between the pipes does not depend on the water pressure.

Further ECOshower products:

Shower Drain ECOshower for floor level installation in tiled showers

Shower Tray ECOshower with integrated heat exchanger

Shower Collector ECOshower for larger systems

Technical data	Shower Pipe ECOshower 15	Shower Pipe ECOshower 20
Max. Flow rate	15 l/min	20 l/min
Dimensions		
Length	2015 mm	
Diameter min. / maxi.	63 mm / 77 mm	
Discharge connection	50 mm	50 mm
Domestic water connections	2 x 1/2" female thread	2 x 1/2" and 1 x 3/4" female thread
Heat exchanger efficiency		
Flow rate 8,0 l/min	66,0 %	—
Flow rate 12,5 l/min	60,0 %	50,2 %

Power. Heat. Future

We are solar pioneers with foresight and have been successfully working with the sun for more than 30 years.

As a one-stop systems supplier we stand for integrated sustainable solar power, solar heat, mounting systems and energy technology.



Wagner Solar has a constantly expanding international distribution network.