Saving energy by heat recovery

# ECOshower Shower Tray

Wagner Solar

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**Can reduce energy consumption by 48 %**

## Double your pleasure - shower with ECOshower shower tray

**ECOshower - use the shower energy over and again!**

| BENEFITS | DETAILS |
|---|---|
| **Saving energy costs** | Efficient heat recovery from shower water.<br>A family of four saves up to 180 m³ of gas annually or 180 l of heating oil quite comfortably during the shower.<br>This is how sustainable and economical energy is used. |
| **Quality and durability** | ECOshower shower trays are made of durable high grade materials and meet the highest quality demands. ECOshower shower trays are just as easy to install as common standard shower trays. |
| **Stable performance, high savings** | The heat exchanger made of corrosion-resistant copper is easily accessible directly under the attractive stainless steel shower tray. A straightforward and efficient design guarantees high performance and savings. |
| **Increase the value** | Better energy efficiency rating can increase the value of the property. |

Heat

The ECOshower effect

# Save up to 48 % of heat energy while showering!

## Why does heat recovery from shower water pay off?

Normally only 20 – 25% of the heat generated for showering is utilized, while the bulk is flushed into the sewer.

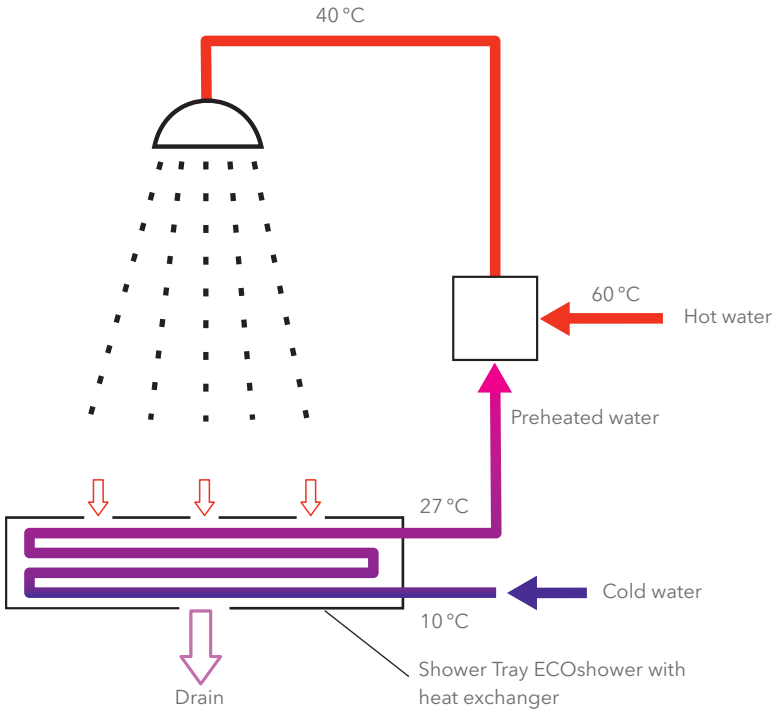
Our shower tray ECOshower allows – thanks to heat recovery – to re-use a large fraction of this unused heat. To achieve this, the shower collector directly employs the heat of the wastewater to pre-heat the cold water. This way the gas, oil or power consumption required for showering is almost halved, without any reduction of comfort and entirely automatic while taking a shower.

## How does it work?

Recovery of the heat contained in the shower wastewater is achieved by counter-flow principle. The outflowing shower water is led through the heat exchanger integrated in the shower collector, and the heat contained in the wastewater is then transferred to the inflowing cold domestic water, which is safely separated from the wastewater. The fresh water, warmed from approx. 10 °C to approx. 27 °C is then led to the cold water connection of the shower mixer or used to pre-heat the hot water.

## Reliable high efficiency

The heat exchanger's patented design ensures operation at high and stable efficiency over many years.




**Funcfion principle of the heat exchanger**
The excess heat of the wastewater is utilized to heat the cold domestic water from for example 10 °C to 27 °C before being fed to the shower mixer.



## High quality

Only high-quality materials are used for the ECOshower shower tray. The tray is made of first-rate sanitary acrylic. The cover tray with drain and integrated odor seal as well as the distribution plate are made of stainless steel. A seamless copper pipe coil made from a single piece is the durable heart of the heat exchanger.

## Low maintenance operation

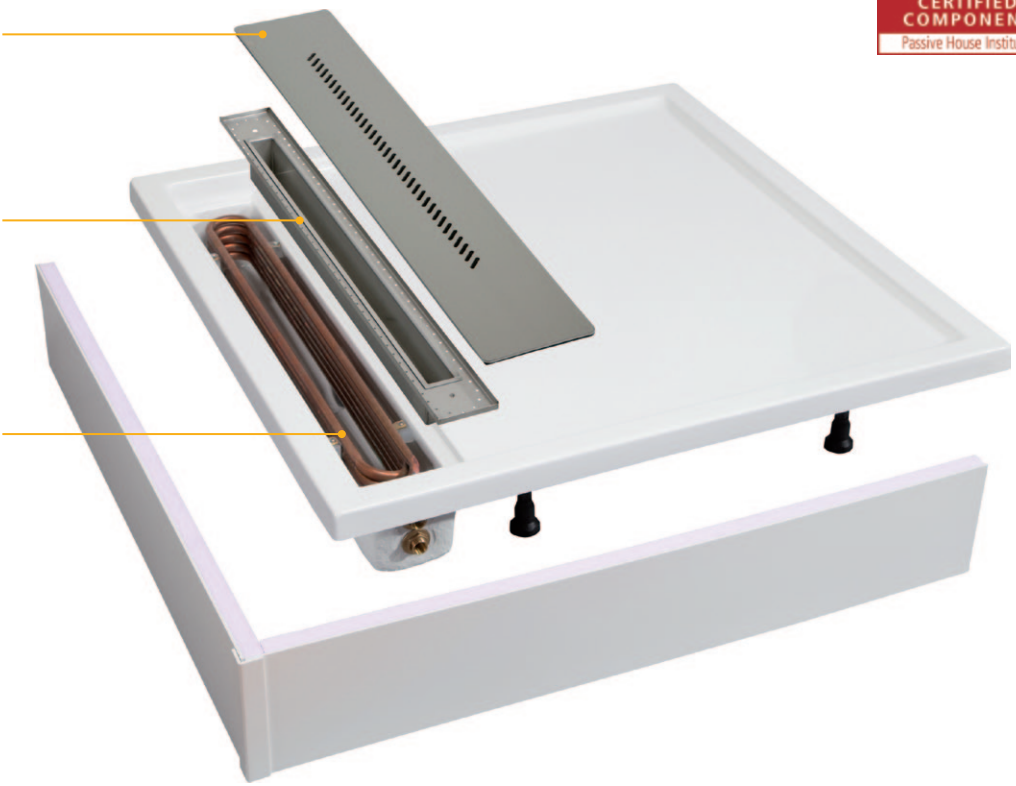
ECOshower shower tray can be cleaned with a few hand movements. After removing the stainless steel cover the heat-exchanger spiral is directly accessible for cleaning. If required it simply can be hosed off or cleaned with a brush.

CERTIFIED COMPONENT
Passive House Institute

Stainless steel cover with drain and integrated odor seal

The distributor plate evenly distributes the shower water onto the heat exchanger.

Domestic cold water flows through the double walled coiled copper tube heat exchanger, where it is heated.



Shower Tray

# ECOshower 900 / 1200

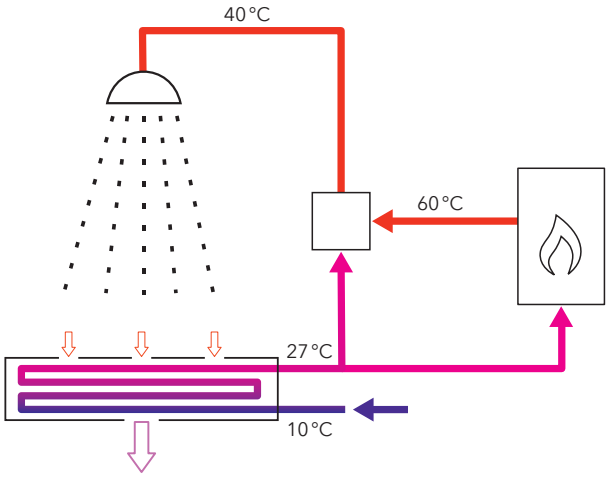


## Simple installation

To assure a stable horizontal installation, the shower tray is equipped with four adjustable feet located on two rails below the installation.

The fairing of the shower tray is either with tiles or the included color-matching acrylic apron.

The tray is available in two sizes and the standard version comes in a warm white tone (RAL 9010). For larger projects almost every desired sanitary ware color is available upon request.




For example: Connection to shower armature and DHW generator

There are various ways to connect the ECOshower shower tray to water heater and shower. A thermostatic mixing valve is not a must, but it ensures comfortable operation.

## Multiple combinations

The ECOshower shower tray can be combined with any type of water heater.

For even more energy saving, it is recommended to combine it with a durable and highly effective solar thermal system from Wagner Solar. More than 35 years of solar experience as well as products that won multiple awards are a proof of outstanding quality.

| Further ECOshower products |
|---|
| Shower Drain ECOshower for floor level installation in tiled showers |
| Shower Pipe ECOshower with even higher efficiency |
| Shower Collector ECOshower for larger systems |

| Technical data | Shower Tray ECOshower 900 | Shower tray ECOshower 1200 |
|---|---|---|
| Discharge connection<br>Domestic water connections | 50 mm<br>½" female thread | |
| Dimensions (L x W x H) | 900 x 900 x 200 mm | 1200 x 900 x 200 mm |
| Height adjustment | 20 mm | |
| Efficiency (%)<br>NEN 7120 (12,5 l/min) | 48.3 % | |

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