

# Saving energy by heat recovery Shower Collector ECOshower



**Wagner Solar**

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Can reduce  
energy  
consumption  
by 43%!

## Double your pleasure of showering with an ECOshower shower collector

ECOshower shower collectors simply utilize the energy required for showering several times over.

### STANDOUTS

- **Saving energy costs**
- **Maintenance free, high performance**
- **Easy to install**

### DETAILS

Efficient heat recovery from shower water. For common shower rooms at public pools, gyms and other sports facilities with central sewer. The system operates by flow-through with volume flows up to 60 l/min.

The stainless steel heat exchanger principally is maintenance free - once installed, the shower collector will operate for an entire „shower life“. The simple and efficient design guarantees lasting high performance and savings.

The ECOshower shower collector simply replaces the standard shower drain and is installed flush with the shower tiling.

## The ECOshower effect

Save up to 43% of heat energy while showering!

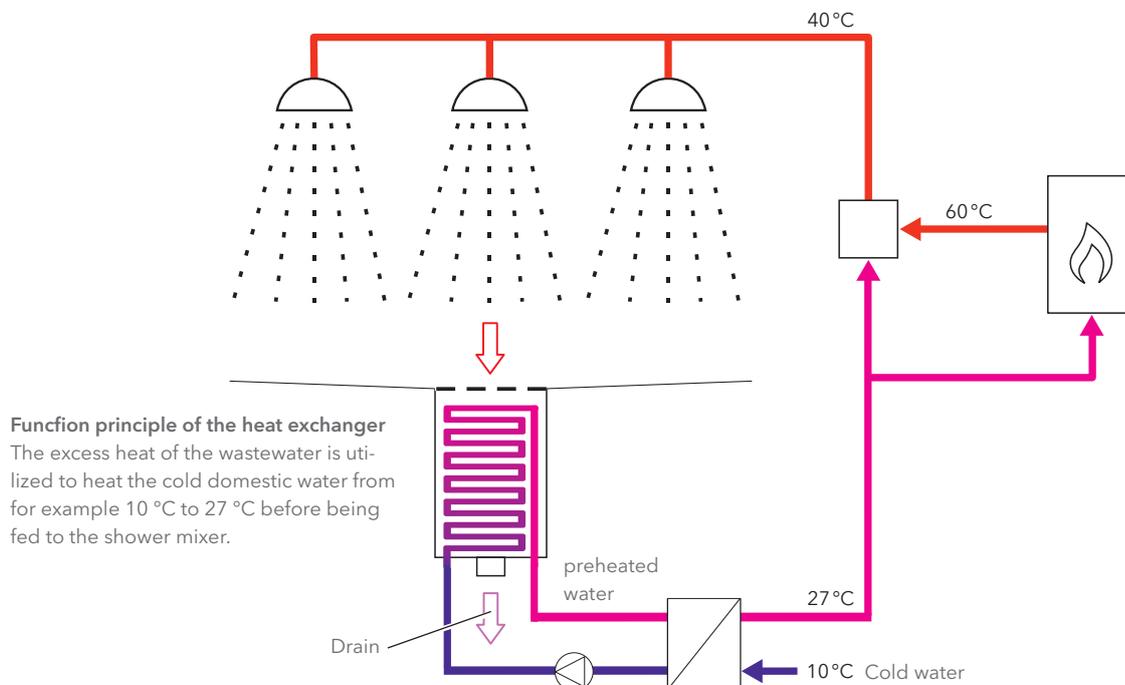
### Why does heat recovery from shower water pay off?

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

Our shower collector 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.



For example: Connection to shower armature and DHW generator



### Easy to install

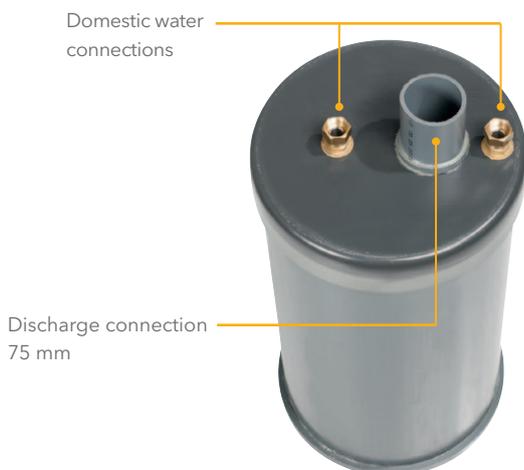
The ECOshower shower collector functions completely independent from the type and design of the showering facility. It hence is suitable for deployment in all types of building - both, new or old.

A prerequisite for the installation is a sufficient available depth for installation of approx. 60 cm. The ECOshower shower collector can be connected to the hot water supply and the shower in various ways.

### Versatile combinations

The ECOshower shower collector is combinable with every type of hot water supply.

For even more energy savings, a combination with a highly efficient and durable solar thermal installation from Wagner Solar is advisable. 40 years experience and products that received multiple awards by independent testing institutions stand for highest quality.





### Low maintenance operation

ECOshower shower collectors 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.

### The best solution for every requirement!

No matter whether in a single family home or a large sports arena - ECOshower offers the optimal solution for every application need.

#### Further ECOshower products:

ECOshower Shower Drain for floor level installation in tiled showers

ECOshower Shower Tray integrates a heat exchanger into a high quality shower basin

ECOshower Shower Pipe with even higher efficiency

Technical data	Shower Collector ECOshower	
Max. Flow rate	60 l/min	
Height	600 mm	
Diameter	315 mm	
Discharge connection	75 mm	
Domestic water connections	2 x 3/4" male thread	
Heat exchanger efficiency	Flow rate (l/min)	Efficiency (%)
	12,5 <sup>1</sup>	43,2
	15,0 <sup>1</sup>	42,3
	24,0 <sup>2</sup>	39,6
	36,0 <sup>2</sup>	38,8
	60,0 <sup>2</sup>	34,9

Measurement: <sup>1</sup> acc. to NEN 7120 by KIWA; <sup>2</sup> following NEN 7120: balanced operation, hot water temperature = 60 °C, mixing temperature = 40 °C, cold water temperature = 10 °C