



INTEGRATED ENGINEERING SOLUTION



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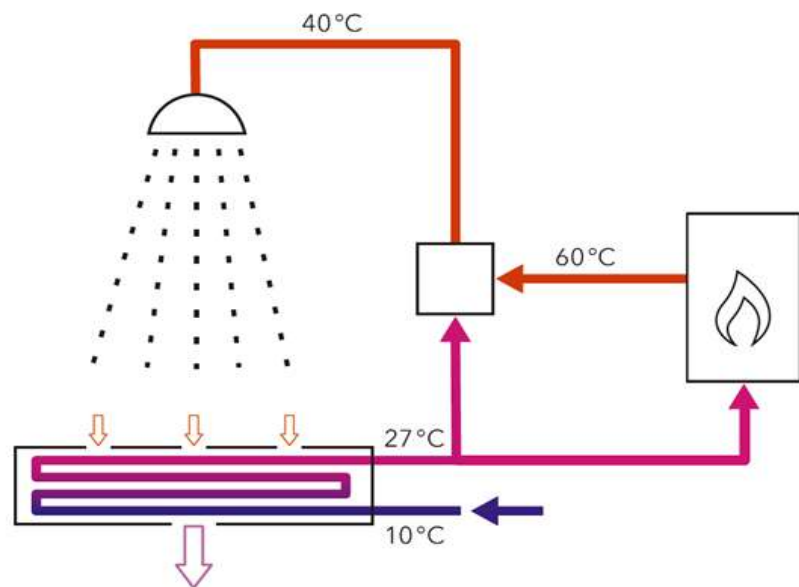


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ECOshower



Showering is a everyday movements of our daily life, a hot shower is the best way to remove the feeling of tired and exhausted after a day's work. But do we know that how much energy is used to make us comfort and how much we waste and drain out. Normally, 75-80% of the heat generated for showering is flushed into the sewer. Only a small fraction of heat is utilized. Therefore, the application of the heat from the wastewater is a new concept of heat recovery. The recovery of the heat contained in the shower wastewater is achieved by counter-flow principle. The out-flowing shower water is led through the shower collector which integrated a heat exchanger. The heat contained in the wastewater is transferred to the inflowing cold domestic water. Therefore, it can reduce almost halved of fuel or power consumption without any reduction of comfort. Furthermore, it works fully automatic while taking a shower.

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The fresh water can warm up with the excess heat of the waste water from approx. 10°C to approx. 27°C before being fed to the shower mixer or used to pre-heat the hot water. There are various ways to connect the shower tray to water heater and shower. A thermostatic mixing valve is not a must, but it ensures comfortable operation.

The shower trays are made of durable high-quality materials. The heat exchanger is safely separated the domestic water and wastewater which is a double wall design and made of a single piece of seamless corrosion-resistant copper. The tray body is made of first-rate sanitary acrylic. The cover tray with drain, integrated odor seal and the distribution plate are made of stainless steel. The heat-exchanger spiral can be directly accessible for cleaning after removing the stainless-steel cover and distributor plate with a few hand movements.

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.



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

What's Next

Absorption Chiller