

ES-drain Tiles

Shower drain with heat recovery



The energy consumption for showers is increasing and has a real big share in the total energy consumption of a dwelling. However with an ES-drain a big part of the energy that normally goes down the drain can be regained.

Features:

- Saves about 40 % of the energy for showers.
- Height about 125 mm, so can be installed in every floor
- Double wall separation between waste water and fresh water.
- Small grid dimensions.
- Both fresh water connections on the long side; ease of installation.
- Both fresh water connections at the top of the housing; ease of installation

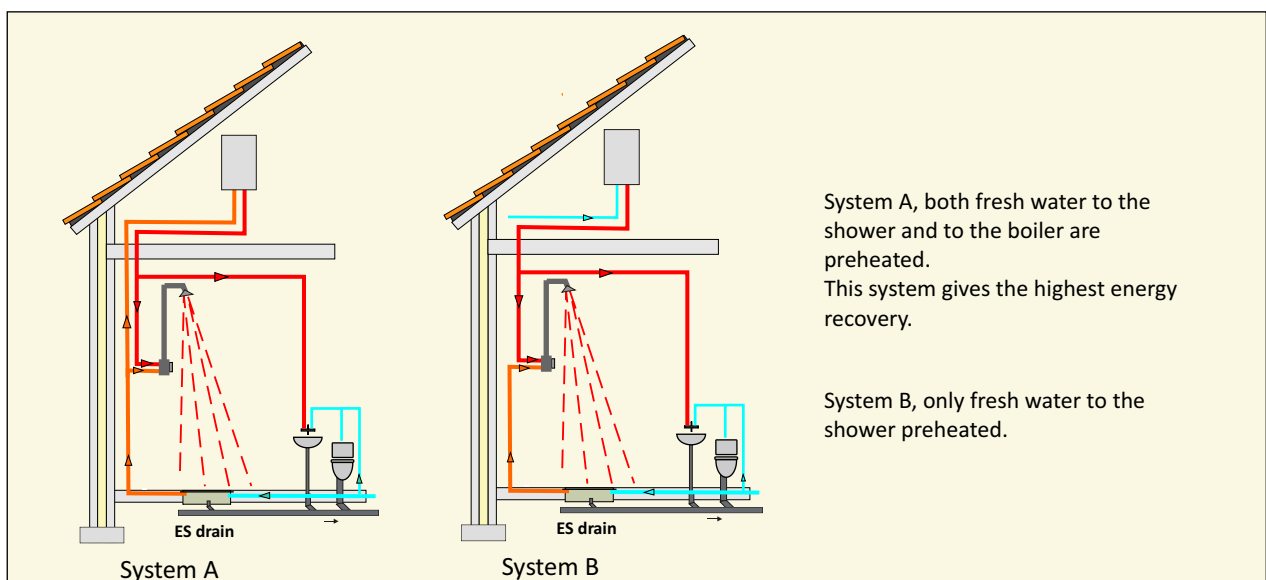
Efficiency, measured by KIWA:

9,2 l/min 45,8 %.
12,5 l/min 43,8 %.

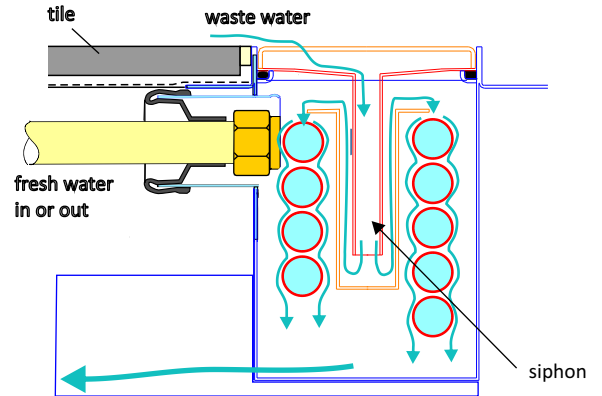
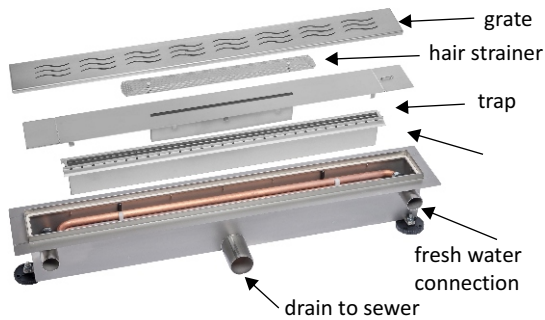
Passive house: 50 % at 8 l/min.

Special features:

- **No fittings in the floor/concrete. All fittings inside the drain and accessible.**
- **Double security against leakage into the concrete.**
- **(Acoustic) leakage alarm, according EN1717 and BRL-K656.**
- A hairstrainer, prevents contamination of the heat exchanger and is easily to clean.
- Heat exchanger can be replaced if necessary.
- Housing material: the best stainless steel there is, AISI316
- Meets European standard EN1253.

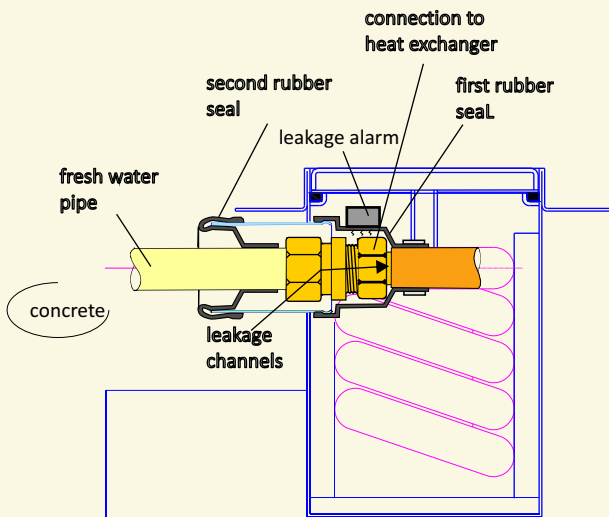


ES-drain



drain to sewer!

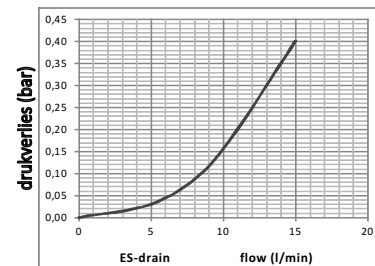
Fresh water connections are all inside the drain. So not in the concrete.
Acoustic alarm as leakage detection.



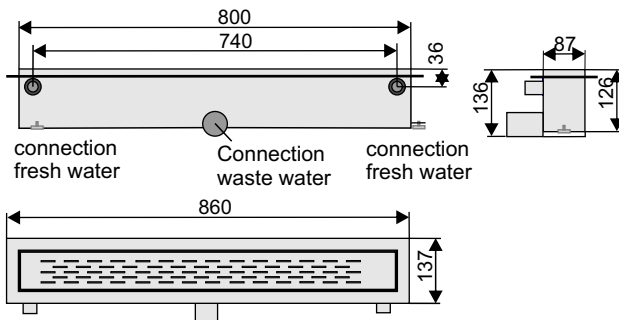
Since the introduction two years ago hundreds of the units are successful in operation.



pressure loss:



Dimensions:



Connections:

Fresh water connections : both $\varnothing 16$ mm or 15 mm
Waste water connection : $\varnothing 50$ mm

Materials:

Housing: Stainless steel AISI 316
Heat exchanger: Copper Cu-DHP (99,9% Cu)
Fresh water connections: Brass MS58