



HEATEX SYSTEM





HEATEX-system is a unique energy saving solution.



A normal shower set-up in the picture

Hot water (56 °C) comes from the hot water boiler (or such) at 7,5l/min).

Cold water (8 °C) comes from the water line at 4,5 l/min.

The shower-water mixer (the tap) mixes the water to 38 °C, which runs at rate of 12 l/min.

This water goes straight to the sewer through the floor drain.

All energy of the heated and then consumed water goes to waste.



HEATEX-SYSTEM

Hot water (56 °C) comes from the hot water boiler (or such) at 6 l/min.

Cold water (8 °C) comes from the water line at 6 l/min.

The cold water is ran to the HEATEX-system.

When the shower is opened, all consumed water goes HEATEX-warm energy catcher, where the energy warms up the cold water (coming from the water line). The temperature of the cold water running to the tap rises to 20 °C.

This decreases the need of warm water 25%.

Temperature of the water going to drain drops to 30 °C.



The system reduces the need of warm water and the energy to warm it 25-30% compared to the existing system.



HEATEX'S power output is app. 5kW (tested in laboratory).

It can be installed to buildings under construction or those under renovation just like a normal floor drain.

In existing buildings it replaces the current drain.



TECHNICAL INFORMATION

Width 190 mm

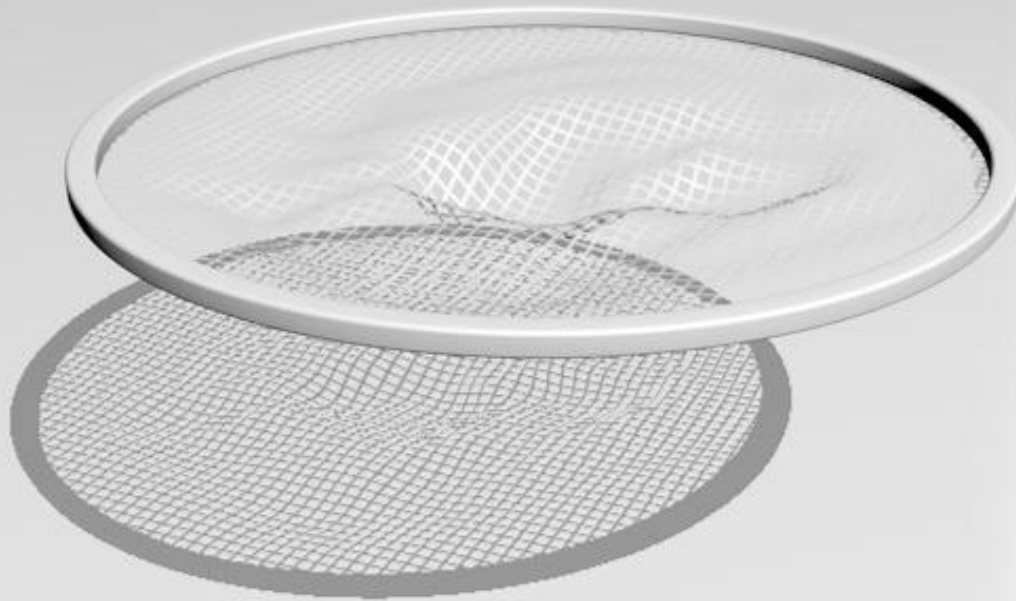
Height 160 mm

Sewer connecting joint 50 mm

Cold water joint:
Outer diameter 12 mm

Cold water cover pipe :
28 mm /23 mm

Additional pipe:
2 x 32 mm



HEATEX- filter

Outer diameter 150 mm

Inner diameter 136 mm

The filter stops extra particles
(such as hair)
going to the exchanger.

Notice that the filter needs to be
replaced or emptied every two
weeks or it blocks up.



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