

The Soil Filter

The heart of ÖKOTEC's
waste water cleaning

Sustainable water management with nature-oriented technologies



Areas of use:

Construction:

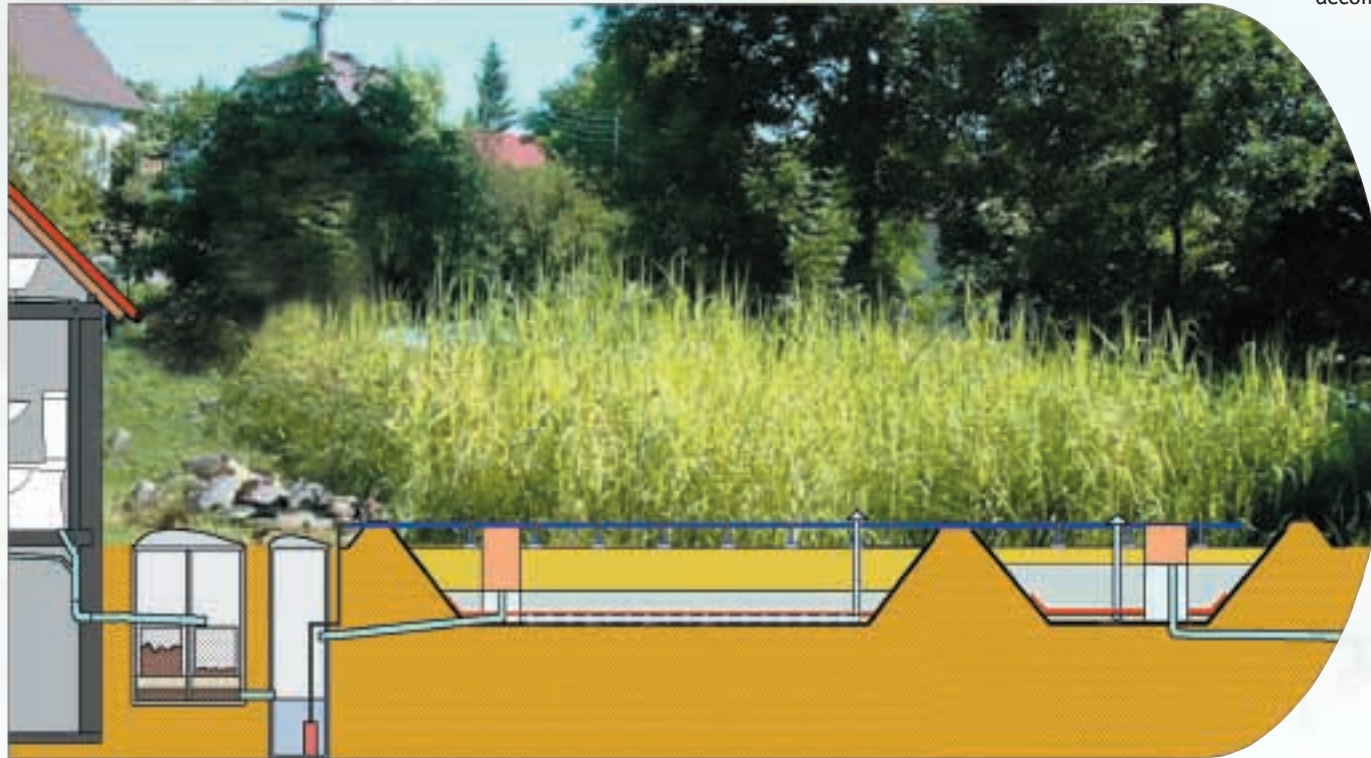
Water distribution – an even distribution guarantees an optimal oxygen supply for the decomposing microorganisms.

Plants – through shade the filter surface is kept open; root excretions stabilize the micro-flora.

Humus layer – here, persistent substances are adsorbed and decomposed through ultraviolet radiation and microorganisms.

Sand – here, suspended matter is filtered out; the grains provide a surface for the growth of the microorganisms.

Gravel with geo-textile support – here, the cleaned water is collected and led off through a drainage pipe.



Municipal plants with average requirements for reuse and nutrient decomposition

Municipal plants with special requirements for **nitrogen elimination** (for example for discharge into ground water)

Municipal plants with special hygienic requirements due to **reuse of water**

Compact plants for the production of service water through **grey water recycling**

Reed bed facilities for cleaning household waste water (with and without reuse)

Sewage treatment plants for **concentrated toilet waste water** and other waste water with high nitrogen content

Com-
poster

Sewage
sludge
treatment

Treatment of
industrial
waste water

Treatment of
landfill
leachate

Retention soil filter for temporary storage and cleaning of road run-off

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