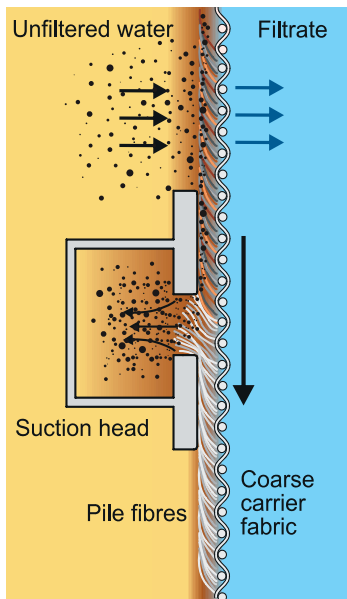
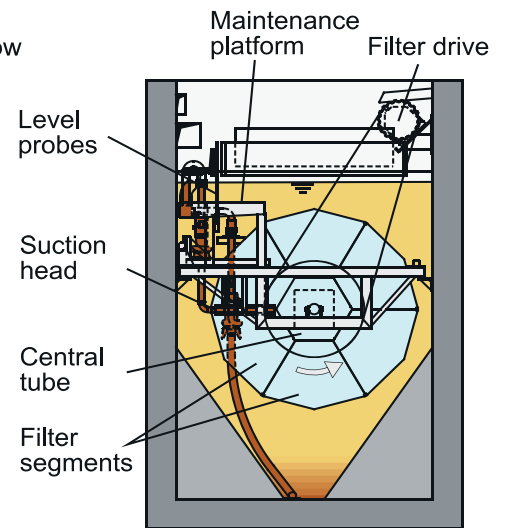
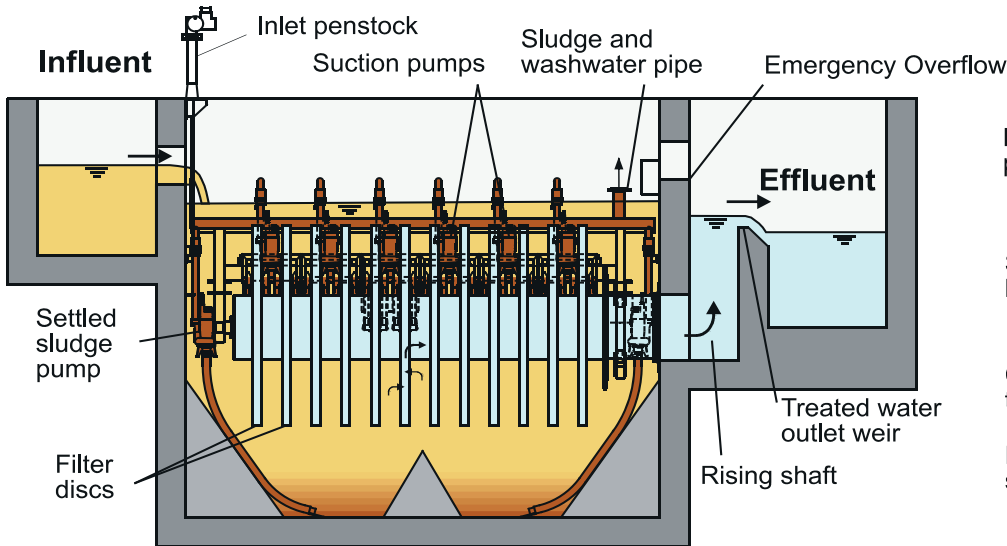




**MECANA**  
UMWELTTECHNIK

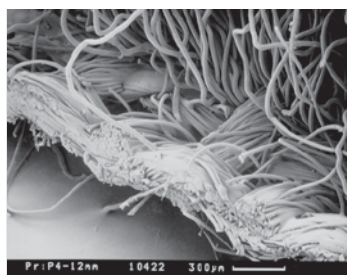
# PILE CLOTH MEDIA FILTRATION



SUCTION CLEANING



DISC FILTER



PILE FABRIC



DRUM FILTER

## WIDE FIELD OF APPLICATION

Originally developed 35 years ago as clarifiers after rotational biological contactors (RBC's), MECANA pile cloth media filters can be applied in almost all cases in which there is a requirement for suspended solids removal:

- Removal of solids remaining in effluent from secondary tanks due to, for instance bulking or rising sludge, scum and/or hydraulic overloading
- Separation of the surplus sludge following rotating biological contactors, trickling filters and other similar fixed-film processes, in place of traditional secondary settlement tanks
- Phosphorous reduction in the effluent from existing or new sewage treatment works, possibly in combination with precipitation/flocculation
- Solids separation following chemical/physical treatment of industrial effluents
- Filtration prior to a fixed film process nitrification stage
- Removal of micro pollutants in combination with PAC
- Pre-filtration prior to UV-disinfection
- Pre-filtration prior to membrane treatment
- Pre-filtration for drinking water abstraction from surface water
- Process water purification
- Building site wastewater
- Road run-off treatment
- Combined sewer overflow system
- Improvement of lagoon treatment works

**Over 2000 cloth media filters totalling over 80 000 m<sup>2</sup> of filtration area, operating in more than 1100 different treatment plants worldwide!**