
Program
• A reliable centralised drinking wa
• Use of surface water: advanced tr
• Membrane filtration
• UV-H2O2
• Plenty: full automation of drinking
• Round tour


Cursus
Cursus

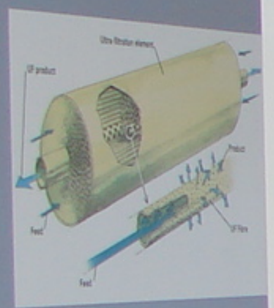

CodeLine

Ultra-filtration

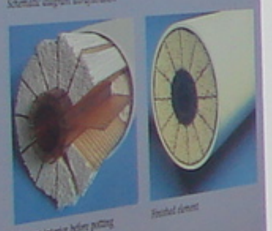
The openings or pores in the ultra-filtration membranes (fibres) are sufficiently tiny as to retain all particles in suspension, including bacteria and viruses. The water is forced through the straws from the inside out, while the purified water or filtrate is removed through a tube which is located at the core of the bundle of straws.

All particles (including bacteria and viruses) retained gather against the inside wall of the straws. For this reason the water flow is reversed regularly so as to flush and clean the straws from the outside in. This reverse flushing water is extracted, purified and reintroduced into the production process. In order to prevent long-term bacterial growth, a chlorine based flushing agent is applied about four times a day. The straws are subject to more rigorous cleaning typically once every one or two months.

At the start of development of the combination of ultra-filtration and hyperfiltration, only small-capacity ultra-filtration systems were available. We have developed the ultra-filtration concept in collaboration with our Dutch supplier, and it has since been widely accepted onto the international market.



Schematic diagram ultrafiltration



Element interior before potting

Finished element


ERIKS
CodeLine
DANGER
C1
C2
C4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