

AWAS Ultrafiltration plants



AWAS®

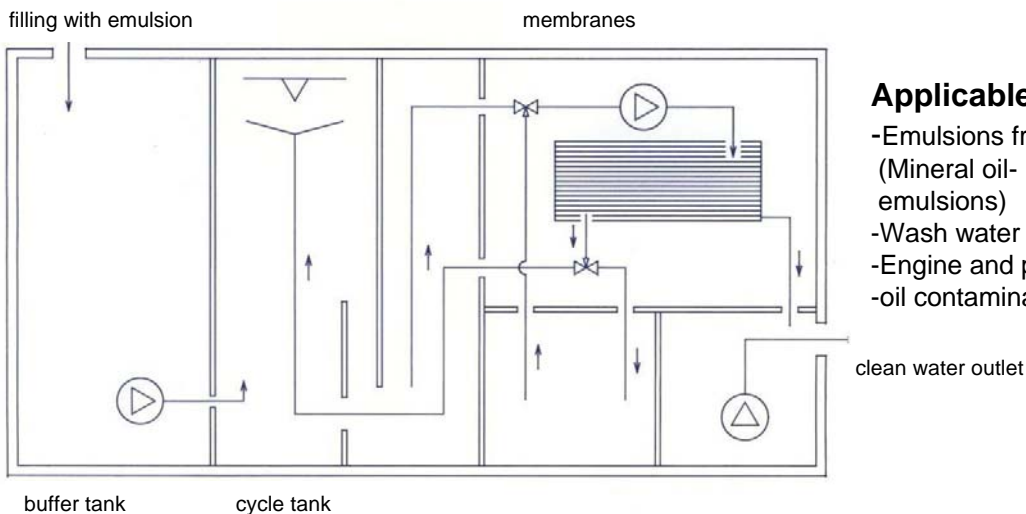
Abwasseranlagen – Systeme
Waste Water Treatment Plants

AWAS Ultra- und Microfiltration Plants

Function and application principle

AWAS UF/MF plants have been developed especially for small and medium enterprises and work either semi- or full automatic. Emulsions are cracked on physical base. The emulsion is pressed through membranes by a pump. The small molecule parts e.g. water are passing the membranes. Bigger molecule contents e.g. oil, fat, tenside are kept in the membranes and are concentrated inside the plant. The clean water (Permeate) can usually be reused or discharged.

Flow scheme



Applicable for disposal of:

- Emulsions from metal industry (Mineral oil- und synthetic oil-emulsions)
- Wash water from degreasing plants
- Engine and parts wash
- oil contaminated waste waters

AWAS Advantages

- low energy consumption
- high purification performance; up to approx. 15% oil-content in emulsion
- internal circle with continuous discharge of concentrate
- membrane choice depending on application
- membranes are easily accessible
- automatic or manual cleaning
- compact design with integrated cycle tank
- pH range: pH 3 – 14
- made of stainless steel V2A or PE
- special designs for up to 80 °C



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