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Water Conditioning: HUBER Solution for Potable Water Generation from Surface Water

When wastewater is highly treated and reused as service water, wastewater and water treatment are the same (see also our [HUBER Solutions Wastewater Reuse](#)).

Here we only want to present HUBER solutions for the treatment of surface water.

Screening is always the first treatment step. We have optimal [HUBER Screens](#) for all applications, ranging from coarse screens for the intake of cooling water to micro-screens for the generation of process or drinking water.

Chemical pre-conditioning with precipitants, coagulants and/or flocculants is required for removal of dissolved contaminants, fine solids and colloids. Sedimentation is the easiest way for removal of the generated flocs (see also our [HUBER Solutions for Sedimentation](#)).

Very fine flocs still remain suspended in the effluent of clarifiers. For their removal we use our [HUBER Sandfilter CONTIFLOW®](#). Their main advantage is continuous filtration and sand washing, without interruption of their operation.

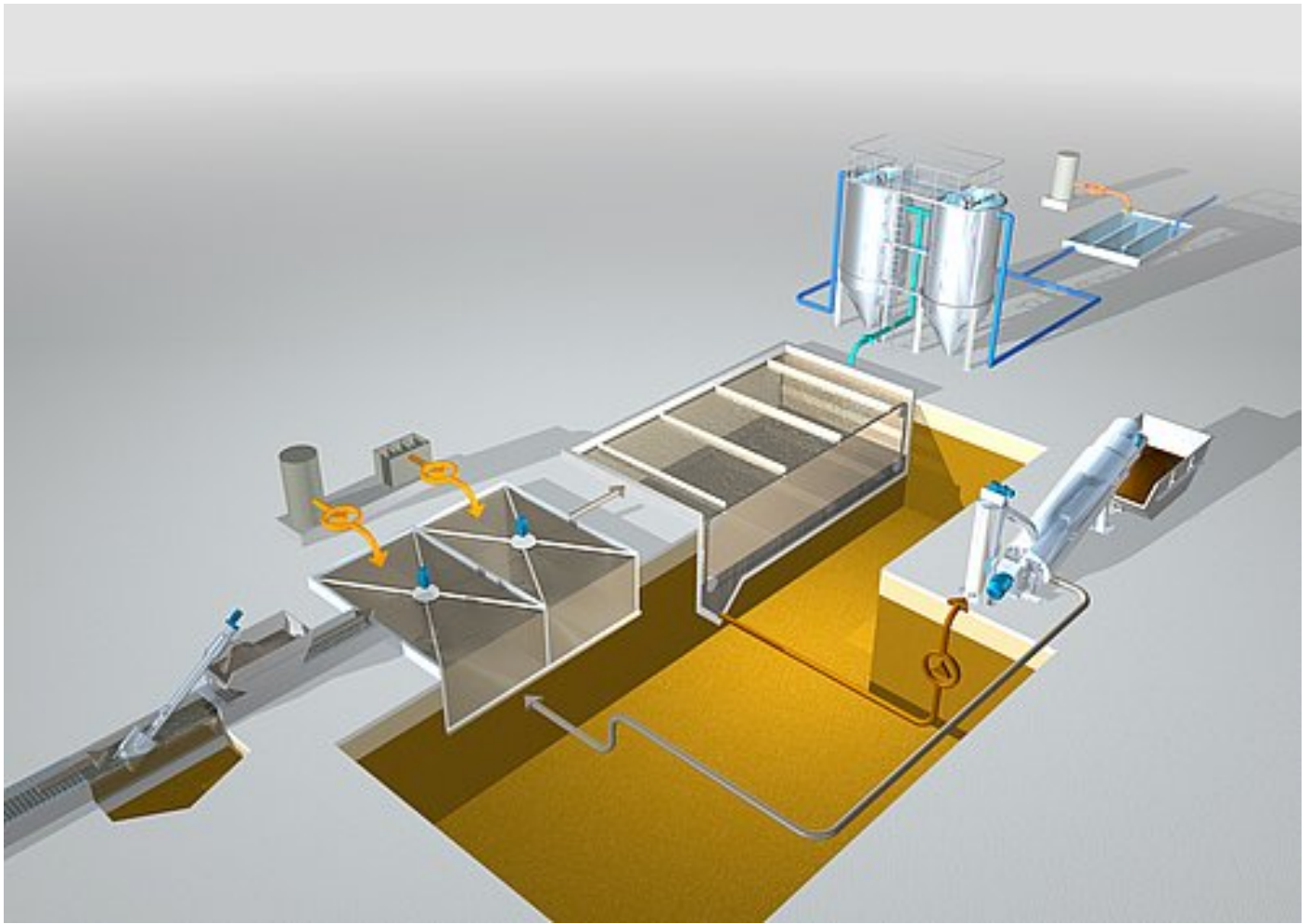
[HUBER Disc Filters RoDisc®](#) are an alternative to sand filters. They are covered with a fine mesh, having a mesh size between 0.01 and 0.1 mm.

Drinking water is disinfected after filtration, e.g. by UV-radiation, ozone treatment or chlorination.

For additional process sludge dewatering we provide our [HUBER Screw Press Q-PRESS®](#) or [S-PRESS](#).

The [MENA-Water drinking water plant Alsoqya](#) is a packaged plant that combines all the necessary components for drinking water treatment in one compact system. The plant uses the process steps of coagulation, flocculation, sedimentation, filtration and disinfection, and meets the WHO standards for treated water. It is easy to operate, energy-efficient and can be delivered and installed at short notice.

Systems concept



Click on the image to get a detailed, interactive view with additional information and links.

Photos



Case Studies

- [RoDisc® Rotary Mesh Screen for a drinking water application](#)
- [Four RoDisc® Micro-Strainers for the Protection of Lake Taihu in China](#)
- [Case History: Drinking Water Recovery Project Dongola City](#)

Products

- Screens and Fine Screens
- ROTAMAT® Screens
- Perforated Plate and Bar Screens
- Ultra Fine Screens
- HUBER Sandfilter CONTIFLOW®
- HUBER Screw Press S-PRESS
- HUBER Screw Press Q-PRESS®

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