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## Degrilleurs ultrafins et Filtration tertiaire



Increasing hydraulic loads, insufficient tank depth and the poor settling behaviour of activated sludge are the most frequent reasons why wastewater treatment plants are unable to reliably meet today's minimum requirements on solids retention in the outlet. The increased loads of COD, BOD, nitrogen and phosphorus in the effluent will finally result in higher wastewater fees and increase the load of oxygen-consuming substances in receiving watercourses. Especially the accumulation of the nutrients phosphate and nitrate in surface waters can lead to eutrophication, growth of algae and water plants, oxygen depletion, and to fish dying and death of other water animals.

A downstream micro screen is a quick, efficient and economical solution in order to achieve a virtually solids-free effluent and eliminate oxygen-consuming substances.

Other fields of application:

- Micro screening to protect or increase the efficiency of downstream treatment systems (UV disinfection for example)
- Micro screening of wastewater after powdered activated carbon application (elimination of micro pollutants)
- Micro screening of raw wastewater prior to discharge into waters
- Treatment of service and process water, closing water loops (e.g. in food and chemical industry)
- Treatment of rain water containing suspended solids (e.g. road run-off)
  
- ▶ [HUBER Tamis rotatif ROTAMAT® RoMem](#)
- ▶ [HUBER Tamis rotatif RoMesh®](#)
- ▶ [HUBER Tamis rotatif LIQUID](#)
- ▶ [HUBER Micro Tamis RoDisc®](#)

## Références

- Jusqu'à 50 millions de litres d'eau potable par jour : Rénovation de la microfiltration dans l'usine hydraulique de Constance avec trois filtres à disques HUBER RoDisc®
- Réduction de phosphore avec le disque filtrant HUBER RoDisc®
- RoDisc® Rotary Mesh Screen for a drinking water application
- Further developed ROTAMAT® Rotary Drum Fine Screen with increased hydraulic capacity: ROTAMAT® Perforated Plate Screen RPPS-Star
- HUBER RoDisc® Rotary Mesh Screen ready for the future
- 28 RoDisc® Rotary Mesh Screens to treat Asia Olympics wastewater
- Two RoDisc® 20 Microstrainers in Sharjah Permit Effluent Reuse for Irrigation
- Fine screening – the cost-effective alternative to primary settlement tanks

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