

Industrial / Sewage Water Treatment



# Wastewater Headworks Treatment

## Product Application

The Headworks in wastewater is the initial treatment stage of a complex wastewater treatment process. The Headworks treatment reduces the level of pollutants in the incoming domestic and industrial wastewater to a level suitable for further treatment to ensure that the complex treatment of physical, chemical and biological processes work effectively and efficiently.

Typical Headworks Treatment Applications:

- Screening industrial wastewater containing high level of oil, suspended solids, ammonia
- Fine Screening primary treatment strategies safeguard sensitive equipment like MBRs
- Screening, Washing & Compacting separate fecal materials from inorganics and produce a clean, dry and compacted product of screenings

## Process Description

The headworks treatment includes different types of screening, oil removal, clarifications and other chemical and physical process that help the influent wastewater to be suitable for further treatment and protect the downstream treatment from abrasion and clogging. The following systems are widely used:

- Primary Treatment - Wastewater Screens
- Coarse Screening and Grinding
- Bar Screening
- Fine Headworks Screens
- Washing and Compacting
- Combined grease, Oil, Sand & Grit Removal

## Product Benefits:

- Protect equipment from large objects at the headworks
- Cost effective alternative to traditional technologies
- Fine Screening primary treatment strategies safeguard sensitive equipment like MBRs
- Screening, Washing & Compacting separate fecal materials from inorganics and produce a clean, dry and compacted product of screenings
- Reduce sludge handling

## Service and Features:

- Supply customized design
- Supply as part of integrated system to achieve the performance guarantee values
- Provided in different types of screening to suite the performance guarantee values
- Retrofit for existing plants
- Installation & supervision commissioning

