SCREENS

- Separation and dehydration of screenings from the wastewater that flows in
- Optimal adaptation of the screen type to individual operating conditions
- High capacity
- Compact construction with possibility of process containment
- Possibility to extend the system with equipment for screenings flushing, grinding, pressing and dehydrating

TUV NORD
PN-EN ISO 9001

ENKO®

SCREENS

Technical description

Screens are universal devices designed to separate solid pollutants (screenings) from wastewater. Using screens, you can reduce the likelihood of clogging of some equipment in wastewater treatment plants, such as pumps, aerators, etc. Screens have a variety of uses in wastewater treatment plants, as well as in fish, meat, paint, paper, textile industries, dairies, pumping stations and others.
Dimensions of the screens manufactures by ENKO are tailored to real flows and conditions of each facility.
The screens can be installed in ducts of various sizes. Screenings are removed from the bottom, moved above the edge of a duct to a level allowing their removal into containers or transport equipment.

Our screens can be equipped with different filtering element (system) construction, for example:

- **KSE** step screens - where the filtering element is a grating (movable or immovable),
- **KHS** hook screens - where the filtering element is a movable rod grating, and the scraping element is a hook-scraper system,
- **KHZ** scraper screens - where the filtering element is an immovable grating, and the scraping element is a scrapers system,
- **KHP** panel screens - where the filtering element is a perforated panel tape.

The process

In the purification process wastewater flows through the filtering system. The system captures any floating substances. After that, the cleaning system moves the separated solids into the exhaust system, and the wastewater without solids flows into further steps of purification. Collecting screenings from the screen and their transport is done automatically.
Partly dehydrated screenings are transported up to the feeding hopper, where they are thrown off to a container or transport equipment (e.g. conveyor, press).
The screen can be equipped with a thermal housing and heater, which allow it to operate at low temperatures, or a ventilation system can be connected in order to maximize the wastewater treatment process containment.
The system can operate in automatic or manual (service) mode. Release is done automatically by a level sensor (a difference system for levels before and beyond the screen can be installed) or by a signal from the master device.

Materials

Screen design - cleaning and separating systems are made of stainless steel or plastic. The material provides resistance against aggressive activity of wastewater.
Each element (i.e. filtering system, cleaning system, gear-motor and housing) are mounted to a solid welded frame, which is also made of acid-proof steel.

ENKO-POMIAR Sp. z o.o. 44-109 Gliwice, ul.Metalowców 6
www.enkopomiar.pl biuro@enkopomiar.pl
tel.: +48 32 232 01 52, 32 233 09 32 fax: 32 235 62 37