

PPE

SAND WASHER



- High efficiency
- Low cost of maintenance
- Fast and easy installation
- Compact design that requires little space
- Reduction of organic components content in washed sand



ENKO®

SAND WASHER TYPE PPE

Sand and other small organic pollutants generated during their separation from wastewater are covered with a layer of organic pollutants. Sand washers are used to separate the organic pollutants from sand and other molecules. Organic pollutants generated in the flushing process are moved to further steps of purification.

After the flushing process sand is so pure that it can be delivered directly to the landfills, which allows you to significantly reduce the costs of its disposal. The content of organic components in washed material is less than 3%.

Description and principle of operation:

The sand washer is filled with sand from the sand separation equipment through a feeding hopper. Contaminated sand is introduced into the tank equipped with a stirrer. Water flow supports the stirrer's operation by keeping the sand in constant motion, and the separation of organic components of lower density from the mineral components of higher density takes place. Process water with organic components flows out of the tank through an overflow. Washed sand gathers at the bottom of the tank from where it is transported by a ribbon feeder into a suitable container. The sand is statically dewatered during transportation. The device is made entirely of high-quality acid-proof pickled steel for better corrosion resistance. The sand washer can be adapted to work in open terrain in winter conditions.

Specifications:

Available washer variants: 0.2 and 0.4 m³/h of sand washed

Content of organic components in washed sand: 3% max

Content of solid matter: >90%

Washing water outlet piece diameter: 1"

Nominal voltage: 400 V

Power consumption: 1,5 kW max

The ENKO company was established in 1991 and has been dynamically developing since then. Main objective of our company is the responding to our customers' needs. We design, manufacture, assemble and service the equipment. We also carry out commercial activities.

The main area of our production is environmental protection equipment, especially devices for wastewater treatment plants, as well as complete wastewater treatment plants.

We also manufacture different types of equipment for food processing, including cryogenic tunnels for fast food freezing, automatic self-cleaning filters for liquid food, stationary and mobile systems for milk collection and many others.

With our qualified and experienced engineering and technical staff we carry out most difficult tasks. We have our own research and development teams, both for development of mechanical structures and for automation, computing and control.

ENKO is the largest Polish manufacturer of electromagnetic flow meters and the largest Polish manufacturer of the STZ wastewater disposal stations. Our equipment is exported to European Union countries and beyond, including Syria, South Korea, Belarus, Ukraine and Cuba. Beside the equipment production, our company undertakes different complex tasks including: concepts, design and construction of facilities based on our equipment.

Our specialists are willing to provide you advice and assistance in the selection of type and parameters required for your devices.



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