



Screen Belt Filter

For coarse cleaning of process water



- Minimum height requirement due to compact design
- Low wear and low maintenance
- Self-cleaning
- Low-cost coarse cleaning of process water

Screen belt filter

The screen belt filter removes coarse impurities from water. The screen belt filter is used mainly for cleaning process water or wastewater. In this area, an efficient coarse cleaning can be achieved with minimum investment. Both dimensionally stable organic material and coarse sand and small stones can be removed.

When used in process water treatment, the water can be very quickly recycled to the water circuit, without causing clogging of pipelines and excessive wear of pumps. Please note, however, that the water is not suitable for use in fine nozzles.

Moreover, the screen belt filter can be used in wastewater treatment for coarse cleaning.

Its compact design makes the screen belt filter suitable for installation in the immediate proximity of the place where the water is produced. This usually minimizes deposits and pump wear. The quick removal of organic material allows the CSB/BSB loads in the circuit and in the wastewater to be reduced. The screen belt filter is insensitive to variations in the flow rate.

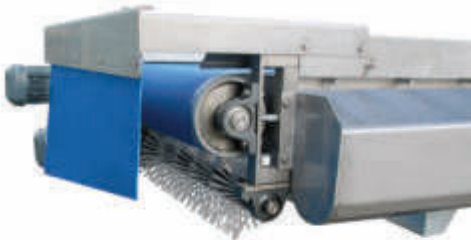
The water is cleaned by a circulating stable continuous screen belt. The water flows through the screen, and the solids left on the screen are carried along with the screen belt and discharged at the end of the screen belt filter. A cleaning brush mounted at the discharge position and running in opposite direction ensures that the screen belt is kept open. The standard opening size of the screen belt is 2 mm x 2 mm. The screen belt filter consists of a stable stainless steel construction with screen-overlapping side bars. A collecting sheet, including a collecting chute, is mounted inside the screen belt filter for collecting the cleaned water. Mounted to the collecting chute is a spigot for the cleaned water with diameter 160 mm for connection to a KG pipe DN 160. The bearings are made of stainless steel and filled with H1 food grade grease. The drums are made of stainless steel and coated with food-grade rubber.

Belt width: 500, 650, 800 mm

Length: 3,000, 4,000, 5,000, 6,000 mm or customized

Accessories

- Customized complete solution for the water circuit



Cleaning brush at the discharge position of the screen belt filter