

KD43

BandScreen



The KD43 band screen ensures effective fine screening and separation of grit in wastewater. KD's unique band screen is the only one on the market where the screen plates open at the back on the way down. This gives a significantly lower pressure drop than a traditional band screen, and at the same time accumulation of grit inside the

screen is avoided. The screen plates are designed with a brim that pulls heavy grit up from the bottom of the channel, which minimizes screen wear. The screen plates are cleaned by a fixed bottom brush, and pressurized water in the top of the screen ensures screened material to release screening to discharge.



KD43 Band Screen:

- ✓ Danish quality equipment
- ✓ No grit built-up between front & back plates
- ✓ High Screen Capture Rate
- ✓ Low pressure loss
- ✓ Long service life and limited maintenance
- ✓ Flush water cleaning and/or rotating brush

KD 43 band screen has several advantages:

- High “screen capture rate”
- No pressure loss at the back as the screen plates open during descending
- Each screening plate has a specially designed brim that transports sand and stones in front of the screen to the discharge area
- Specially designed bottom part prevents accumulation of stones and sand in front of the screen
- Fixed bottom brush for screen plate cleaning
- Screen plates are flushed with pressurized water to release screenings
- Only flushing during operation, which gives a low flush water consumption
- No further washing of grit is needed
- Optional an upper rotating brush for extra cleaning of screen plates (e.g. holes clogging at high lime content or wastewater with many fibers)
- Flat nozzle type with a large hole that allows the use of technical water
- Moving screen plates are replaced and serviced above the water level
- Gear motor, bearings, spray nozzles and motor valve are positioned to allow easy and handy service
- Flushing manifold can be taken out for inspection
- Stainless steel material, bottom liner in POM, bronze or SS nozzles
- Front window with built-in wiper blade
- Inspection hatch at the back of the screen
- Local control which regulates the band speed (optional)
- No operation at low water levels, only periodic operation consisting of one revolution
- 75° installation angle makes it possible to use the screen even in very deep channel

Flow: max. 11.000 m³/h
Inclination: 75°
Water level: max. 2500 mm (W)
 (depending on the flowrate)
Screen height: max. 15m (H+CD)
Mesh size: 3 mm to 20 mm
 (standard 6mm)
Channel width: 600 - 2000 mm

