

SCREW PUMPS

SCREENS

SCREENINGS HANDLING

**COMBINATED SYSTEMS**

GRIT HANDLING

CONVEYOR

ELECTRICAL- and AUTOMATION TECHNOLOGY

MEASUREMENT and CONTROL TECHNOLOGY

SERVICE SUPPORT

# HEADWORKS UNIT KKA

Separation of Screenings and Grit from Waste Water

## KUHN KKA Headworks Unit

In the **KUHN** KKA headworks unit is a combination of a screening and grit filtration plant with a compact, space-saving design. It is used for screening and filtering grit out of communal or industrial waste water.

A further feed tank is mounted on a standardised type **KUHN** KSK screw classifier for this purpose, with a type **KUHN** KSS spiral screen integrated in the tank.

The spiral screen is designed for the mechanical separation of solid matter from waste water fed into the plant. Adjustable aperture sizes enable the intensification of solid matter separation. Integrated screening material dewatering and compacting in the spiral screen enables the achievement of a considerable reduction in disposal costs.

The screw classifier primarily separates mineral components (grit) from the waste water through static dewatering, discharging these as sediment. The sediment is removed with a classifying screw and dumped in a collecting tank via a discharge outlet.

## Technical Features

- Extremely compact design
- Durable and reliable
- Low power consumption
- User-friendly
- Low maintenance requirements
- High operational reliability, thanks to the robust design and high-quality materials
- Avoidance of turbulence which disturbs sedimentation
- High separation capacity, thanks to our special design principle



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