

SCREW PUMPS

SCREENS

SCREENINGS HANDLING

COMBINATED SYSTEMS

**GRIT HANDLING**

CONVEYOR

ELECTRICAL- and AUTOMATION TECHNOLOGY

MEASUREMENT and CONTROL TECHNOLOGY

SERVICE SUPPORT

## DRY-LOADED GRIT WASHER KSW-T

### Retrofitting and Washing in Confined Spaces

#### KUHN KSW-T/RW Dry-Loaded Grit Washer

Sediment, composed of a mixture of organic sludge, solid matter of various types and mineral grit, builds up in sewer systems and grit chambers. Organic and mineral solids contained in waste water can be separated using a screw classifier (e.g. **KUHN** KSK) and subsequently fed to a **KUHN** KSW-T dry-loaded grit washer.

This special procedure involves a continuous, systematic separation of the sediment into heavy mineral components and lighter, predominantly organic, matter. Thus these components can be disposed of separately. The mineral grit is washed during this process, in line with the quality requirements of waste removal regulations.

Our dry-loaded grit washer is primarily used for washing grit in municipal sewage treatment plants.

Loading is possible using screw classifiers (e.g. **KUHN** KSK) or conveyors (e.g. **KUHN** KSF), or from a silo or compact headworks system (e.g. **KUHN** KOPA) with bulk material being involved. The KSW-T is therefore ideal for retrofitting in existing plants. Not only municipal tasks but also industrial tasks can be efficiently carried out.

#### Technical Features

- Compact design
- Simple adaptation to existing plant structures
- Suitable for retrofitting
- Achievable ignition loss value  $\leq 3\%$
- Achievable dry-matter concentration of removed grit  $> 90\%$
- Low operating costs
- High separation rate for fine and very fine grit
- High extraction rate
- No rotating components and units in washing area, and consequently low-maintenance and low-wear
- No lower bearing for the grit discharge screw
- Replaceable wear bars
- Variable inclination angle
- Variable conveying length



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