

SCREW PUMPS

SCREENS

SCREENINGS HANDLING

COMBINATED SYSTEMS

GRIT HANDLING

CONVEYOR

ELECTRICAL- and AUTOMATION TECHNOLOGY

MEASUREMENT and CONTROL TECHNOLOGY

SERVICE SUPPORT

SPIRAL SCREEN KSS

Separates Solid Matter from Liquids

KUHN KSS Spiral Screen

are predominantly used in the mechanical purification stage of municipal and industrial sewage treatment plants. These spiral screens are also used in other areas, such as in the pretreatment of processing liquids (abattoirs, tanneries, fish processing plants, and similar) as well as in treatment plants of the paper industry.

KUHN KSS spiral screens can be set up in existing channels or in tanks. A recess at the base of the channel is not required.

The liquid to be cleansed of solid matter is passed through the strainer basket, thereby trapping the solid matter.

The strainer basket is cleared of matter by the shaftless screw and cleaned by the cleaning brush at the same time.

The solid matter is transported through the conveyor screw to the compacting and dewatering zone and can additionally be washed via nozzles in the transport zone.

Following the pressing and dewatering operations, the screenings are discharged via the discharge pipe. The pressure water is discharged via the pressure water discharge pipe and the fitted discharge hose. A bagging mechanism can be optionally attached to the discharge pipe for the purpose of hygiene as well as for keeping in odours.

Technical Features

The KUHN KSS offers these outstanding benefits:

- Simple and low-cost machine
- Flow rates of up to 60 l/sec for low and medium flows
- Complete treatment of screenings in a single machine (separation, washing, pressing)
- Heavy duty spirals (shaftless)
- Highly maintenance-friendly due to modular design
- Intelligent "release system" to facilitate brush changes
- Low energy requirement
- Can be swivelled out of the flume for maintenance purposes
- High degree of operational reliability due to robust design and the use of high-quality materials (avoidance of plastic mass-produced products)



SPIRAL SCREEN KSS

Separates Solid Matter from Liquids

Drive with overload protection

Optimum design for every application case

Press and drainage zone (optional)

Simple accesses, user-friendly and tough object

Lifting lug

Transport area

- Optional with washing device with special nozzles
- Length free eligible
- Wear strip changeable, bolted

Cropped support leg

Tough, adjustable for heights design with revolute joint to slew round out of the building

Flexible gasket

For sealing between sieve hole and building

Installation angle 45°

Other installation angles are possible

Screen basket

- Fineness of the punching
- Removable by flanged joint
- Smart „Release-System“ for simple brush exchange
- For big filtration spaces in longer execution possible

Spiral

- Extremely thick walled 20-30 mm
- With inside spiral for transfer of the highest pressure
- Waveless without central axis against clogging through active substance

