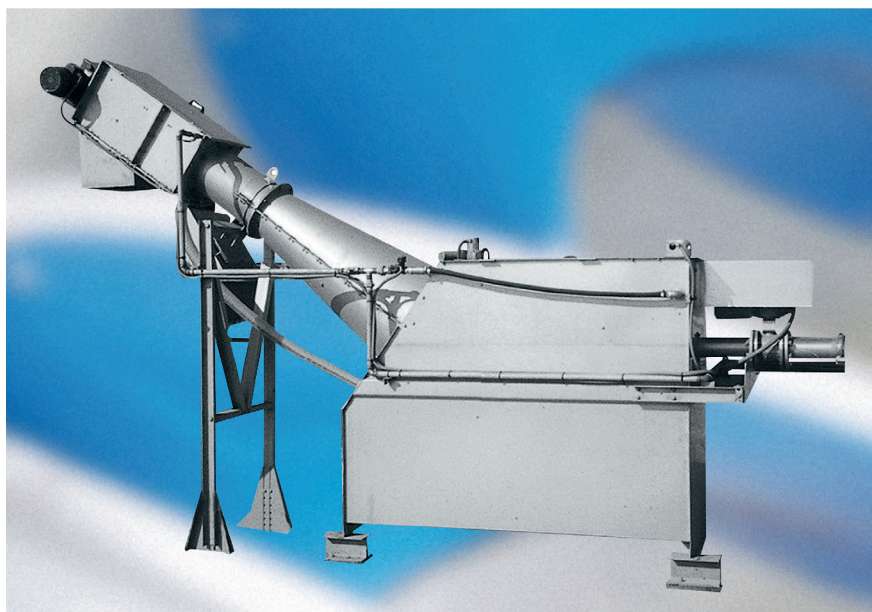




Noggerath® Septage Receiving Station NSI-SRS

Screening system for receiving tanker imported sludge, including subsequent conveyance, dewatering, washing, compaction and discharge of screenings.



Equipment for the screening of wastewater and septic sludge has been part of the standard range of the brand Noggerath® of Aqseptence Group since 1988.

Our compact and robust spiral sieves are ranked among the best machines of their kind in the world.

The septage flows into the sieve basket, which is open on the inlet side. Solids with a larger diameter than the hole width are retained. A continuous layer of solids is thus formed on the surface of the screen, reducing free passage through it and causing the level of the liquid upstream of the screen basket to rise. A level measuring device,

installed upstream of the spiral screen, monitors the respective level of the liquid. When the preset maximum level is reached or exceeded, the drive of the spiral screen is automatically activated. The deposits of solids retained in the sieve basket are then conveyed by the spiral into the pressing zone and dewatered. A rotating scraper in the discharge area ensures that the dewatered solids are automatically discharged. During the discharge procedure, the sieve basket surface is cleaned by means of a spiral brush mounted on the spiral. As a result of the cleaning and discharging processes, the level of the liquid upstream of the sieve basket drops. When this level reaches or falls below the set level, the spiral drive switches off automatically.

Our spiral sieve solutions are suitable for both indoor and outdoor installation and have proven to be particularly economical in operation.

Benefits

- Fine screening and dewatering in one unit
- Simple retrofitting
- Complete hygienic stainless steel encapsulation
- No bed drop required
- High operational reliability:
 - no blockages or pigtailings
 - no pressing of screenings through the sieve surface

Design sizes & performance

Type	NSI-SRS 30	NSI-SRS 50	NSI-SRS 100
Discharge height	1,500 mm	1,500 mm	1,500 mm
Total length	1,876 mm	2,534 mm	3,057 mm
Drive	0.55 kW	0.55 kW	1.1 kW
Flow rate	up to 30 m ³ /h	up to 50 m ³ /h	up to 100 m ³ /h
Gap size (perforation)	10 mm Others on request		

Materials

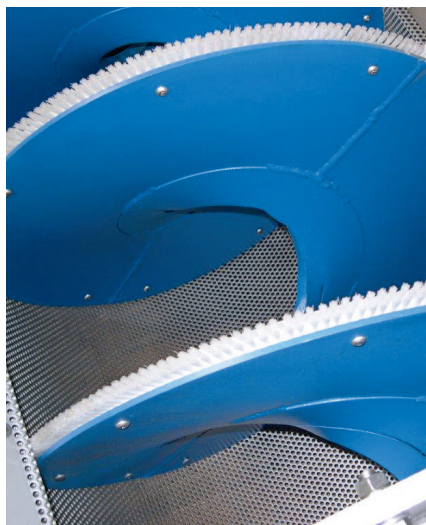
Casing, supports, wear rails	stainless steel AISI 304 or AISI 316 Others on request
Spiral	special Micro Alloy Steel St 52 (carbon steel in acc. with AS Group standard), alternatively stainless steel AISI 304 or AISI 316
Brush	Plastics, alternatively AISI 304

Options

- Hygienic bagging of screenings
- Automatic flushing of pressing zone
- Screenings washing bar with solenoid valve
- Heating / frost protection
- Perrot coupling

Applications & fields of operation

- Sludge and septic sludge screening
- Municipal and industrial wastewater treatment
- For effluent coming from septic trucks



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Version 1.1

The technical data stated in this brochure are indicative only and have to be determined for each individual case. Reserve technical changes.