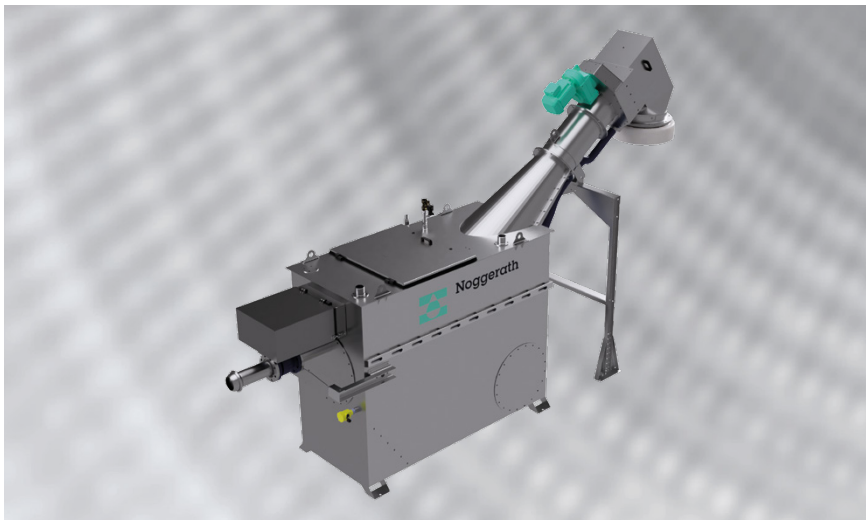




A brand of  
Aqseptence Group

## Noggerath® Septage Receiving Station NSI-SRS / NSI-SRS-RED

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 Passavant-Geiger 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 dia-

meter 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. In the version NSI-SRS-RED, the Noggerath® Radial Eco Drive enables an axially free discharge area without drive elements. This guarantees a blockage-free discharge of the machine. 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

- Axial clogging free discharge (NSI-SRS-RED)
- Fine screening and dewatering in one unit
- Simple retrofitting
- Complete hygienic stainless steel encapsulation
- High operational reliability:
  - no blockages or pigtailing
  - no pressing of screenings through the sieve surface

## Design sizes & performance

NSI-SRS / NSI-SRS-RED	300	500	700
Sieve basket diameter [mm]	300	500	700
Discharge height [mm] (standard)	1,500	1,500	2,000
Total length [mm] (standard)	4,050	4,100	5,000
Drive [kW] (400V/50Hz)	0.55	0.55	1.10
for NSI-SRS-RED	0.75	0.75	1.50
Flow rate [m <sup>3</sup> /h]	30	50	100
Gap size [mm] (perforation)		2 – 10	
Gap width [mm] (wedge-wire)		0.25 – 6	
Installation angle		35°	

## Materials

Casing, supports, wear rails	stainless steel AISI 304 or AISI 316L 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 316L
Brush	Plastics, alternatively AISI 304
Pinion, gear segments (NSI-SRS-RED)	Nylon (Polyamide)

## Options

- Discharge box (NSI-SRS-RED)
- Discharge extension (NSI-SRS-RED)
- Automatic flushing of pressing zone with solenoid valve
- Screenings washing bar
- Hygienic bagging of screenings
- Heating / frost protection

## Applications & fields of operation

- Sludge and septic sludge screening
- Municipal and industrial wastewater treatment
- Screening of organics from wash water

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