

Noggerath® Septage Receiving Stations

Streamline septic sludge processing with integrated functions in one reliable unit

Hydro
International
A CRH COMPANY

Product Summary

The Noggerath® Septage Receiving Stations are fully encapsulated systems that act as the first process point at inlet works of wastewater treatment plants. The units mechanically screen faecal sludge, then convey, dewater, compact and discharge waste material. They are available in three sizes: Lower-Capacity NSI-SRS, Medium-Capacity RBS-RED-SRS and High-Capacity RSH-I-SRS.

Applications

- » Receiving septage sludge from tankers
- » Receiving industrial wastewater
- » Sludge screening

Benefits

Prevent damage with blockage-free discharge

The optional Noggerath® RED (Radial Eco Drive) technology for the Lower- and Medium-Capacity units ensures an **axially free discharge area**, meaning screenings are **discharged without clogging**.

Improve operational reliability and maintenance with a free inlet zone

With the Noggerath® Rotating Bar Screen – in the Medium-Capacity unit – the inlet zone is free of mechanical parts, **improving hydraulic performance and making maintenance much easier**.

Ensure a high throughput even for large solid loads

For heavy-duty applications, the High-Capacity RSH-I-SRS unit offers **very high throughput, reliable handling and internal feeding** for a high volume of large solids.



Technical Information

Septage Receiving Stations – Lower- and Medium-Capacity

Sizes	Lower: 300 mm, 500 mm, 700 mm Medium: 1,000 mm
Throughput Capacity	Lower: Up to 30, 50 or 100 m³/h Medium: Up to 200 m³/h
Hole Size (Lower-Capacity only)	6-10 mm
Slot Width	Medium: 6-10 mm (Papros Profile)
Lower: Sieve Basket, Base Body, Wear Rails, Supports. Medium: Bar Screen, Housing, Support, Tank.	Stainless steel AISI 304/304L, AISI 316L
Spiral / Screw	Special microalloyed steel, or stainless steel AISI 304L or AISI 316L
Brush	Nylon
Pinion, Gear Segments	PA6G

Septage Receiving Stations – High-Capacity

Drum diameter	900 mm
Drum Length	1,800 mm
Throughput Capacity	Up to 300
Perforation	4-10 mm
Drain Tray, Sieve Drum Encapsulation	AISI 304/304L or AISI 316L
Chain, Sprocket, Chain Pinion	Stainless steel



Find out more about how the Noggerath® Septage Receiving Stations can help protect your treatment works:

→ hydro-int.com/septage-receiving

How it works

Lower-Capacity:

1. Faecal sludge is fed into a spiral sieve in the receiving tank. This flows into the open sieve basket, where floating, sinking and suspending solids are separated from the wastewater.
2. The collected solids are transported upwards using a spiral conveyor, then pressed, dewatered and discharged.

Medium-Capacity:

1. Instead of a spiral sieve, this unit uses the Noggerath® Rotating Bar Screen, which is installed at a 35° incline and leaves the inlet zone free of bearings and fixed rotating arms.
2. Wastewater enters the bar screen and solids carried in the wastewater get stuck on the bars of the rack inside the drum, causing wastewater to accumulate. Once the water level reaches a pre-set height, the screen automatically enters a cleaning cycle.

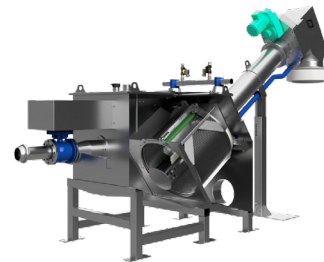


Noggerath® Septage Receiving Station
Lower-Capacity NSI-SRS

3. The rotating rake lifts the collected solids to the upper vertex and drops them into the centrally arranged spiral press. A spray bar flushes off captured solids and an additional cleaning comb removes all remaining residues.
4. The screenings are transported, washed, drained and compacted, decreasing the volume by 70%.

High-Capacity:

1. A perforated and horizontal sieve drum separates high-volume total suspended solids from wastewater.
2. The solids are then compacted, dewatered and discharged using the Noggerath® Wash Press NWP.



Noggerath® Septage Receiving Station
Medium-Capacity RBS-RED-SRS

To find out how our range of wastewater inlet works solutions can help you cut the costs of solids handling and improve downstream treatment efficiency at your treatment works call 01275 878371 or visit: → hydro-int.com/inlet-works

UK Wastewater Services

Hydro International's UK Wastewater Services team is the country's largest provider of screen servicing and maintenance. Operating from five regional offices across the UK they deliver critical support to wastewater treatment plant owners and operators 24 hours a day, 365 days a year.

- » Repair & refurbishment
- » Spares provision
- » Servicing & maintenance
- » Emergency support 24/7
- » Inlet equipment hire

To find out how our services team can help you keep your inlet works working at peak efficiency please call 01305 821142



Hydro
International
A CRH COMPANY



**Passavant
Geiger**

📍 Hydro International
Unit 2, Rivermead Court, Kenn Business Park
Windmill Road, Clevedon, BS21 6FT
☎ Tel: +44 (0)1275 878371
✉ Email: wastewatersolutions@hydro-int.com
🌐 Web: hydro-int.com

📍 Passavant-Geiger GmbH
Passavant-Geiger-Strasse 1
65326 Aarbergen Germany
☎ Tel: +42 6120 28 0
✉ Email: info@passavant-geiger.com
🌐 Web: passavant-geiger.com

Noggerath® is a
registered trade mark of
Aqseptence Group