



Noggerath

We Build Responsibility

A brand of
Aqseptence Group

Noggerath® Radial Eco Drive RED

Drive unit on pulling discharge and conveying spirals with dewatering, compacting, and axially free discharge for Spiral Sieves as well as Rotary Drum Screens, and Rotating Bar Screens.



The development of the Noggerath® Radial Eco Drive RED is inspired by a central problem in wastewater treatment.

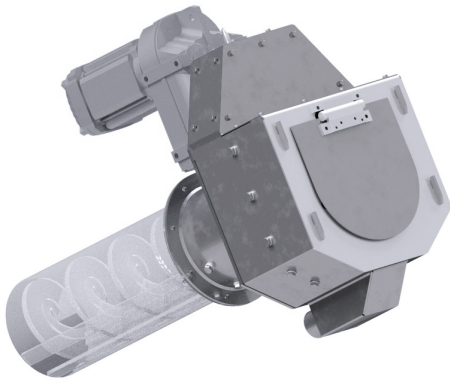
Wet wipes and hygiene tissues

Wet wipes and hygiene tissues aren't made from paper, but instead from a polyester-viscose, mixture or fibers strengthened with synthetic resins. This trend has become a real problem in wastewater treatment - which now incurs considerable costs. This steadily increasing pro-

portion of non-decomposable long-fibered particles leads to the formation of screenings that wrap around drive elements and ultimately often result in a complete blockage of the discharge area on Spiral Sieves or Rotary Drum Screens.

The patented innovation from Noggerath® solves this problem reliably and enables a discharge area without drive elements. The Noggerath® Radial Eco Drive RED warrants a clogging-free discharge of the screenings. The Noggerath® Radial Eco Drive RED also results in an enor-

mous safety advantage for the staff, as no manual removal of the screenings in the discharge area is required. Noggerath® Radial Eco Drive RED is compatible with all products of the Spiral Sieve, Rotary Drum Screen and Rotating Bar Screen family.



Noggerath® Radial Eco Drive RED serves as a drive unit on pulling discharge and conveying spirals with a dewatering, compacting, and axially free discharge. The driven conveyor spiral transports the screenings to the discharge area. The screenings then enter a perforated sieve cylinder or optionally a slotted sieve cylinder where it is first statically dewatered. Using the spring-

loaded counterpressure flap on the axial discharge, the pressed material forms a friction plug and is compressed with parallel drainage. Due to the feed of the spiral, the material to be pressed is pushed out axially. Depending on the application, contact protection is guaranteed by optionally different discharge boxes.

Benefits

- No clogging around drive element
- No clogging in the discharge area
- Sieving, conveyance, and dewatering of screenings with one machine (NSI, RSI-DD, RBS-DD)
- Adjustable back pressure flap to optimise dewatering (DS content up to 35%)
- Can be retrofitted to existing sieve machines with spirals
- Low maintenance
- Safety win for staff: No manual removal of screenings in the discharge area is required

Sizes & performance data

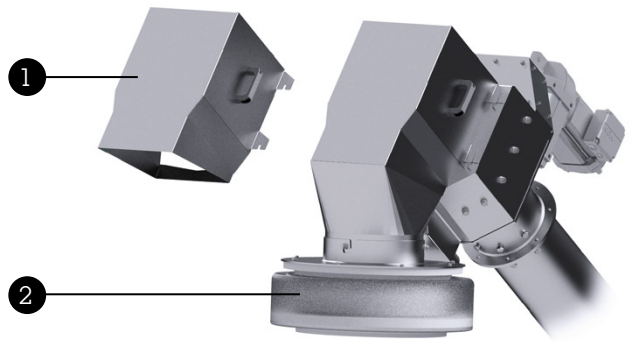
Type	RED 2	RED 3	RED 4	RED 5
Power [kW] * (400V/50Hz)	0.75	1.5	1.5	2.2
Max. Spiral diameter [mm]	195	295	360	460

Throughput capacities correspond to product application. Other sizes on request.
* Deviation from standards depending on application

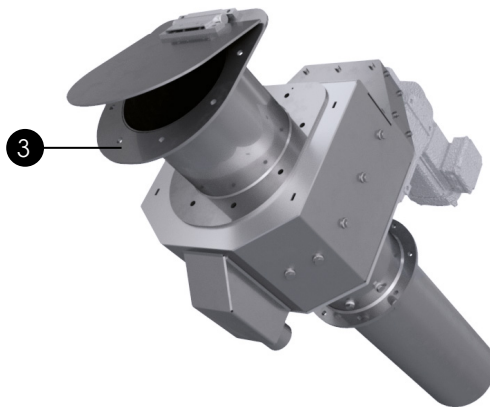
Materials

Housing, steel components	Stainless steel V2A or V4A Other materials on request
Pinions, Gear segments	Nylon (Polyamid)
Fittings	Brass, alternatively stainless steel

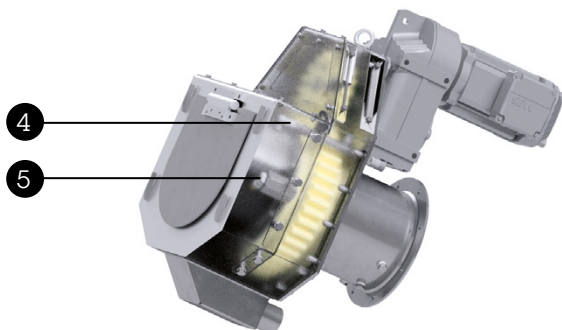
Options



- 1 Discharge box
 - Rectangular discharge opening for connecting
 - Screening chute
 - Round discharge opening for connecting with screening bagging or other elements of screenings feeding
 - Inspection covers
 - Safety switch
- 2 Hygienic screenings bagging



- 3 Discharge extension
 - Pipe flanged in axial direction to increase friction force/TS content
 - Improved contact protection



- 4 Screenings washing
- 5 Automatic press zone and housing flushing with a solenoid valve
- 6 Frost-protection heating (without illustration)

Applications & fields of operation

Noggerath® Radial Eco Drive RED is compatible with all products of the Spiral Sieve, Rotary Drum Screen and Rotating Bar Screen family and is adaptable to many other conveyor spirals.



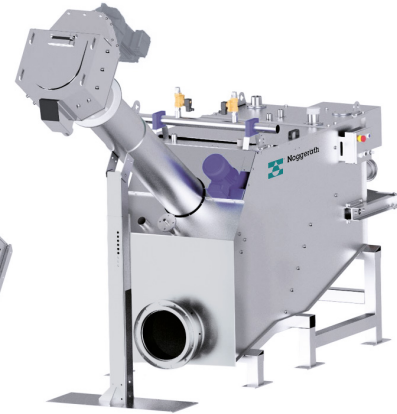
Noggerath® Spiral Sieve NSI-RED



Noggerath® Spiral Sieve in tank NSI-T-RED



Noggerath® Rotary Drum Screen RSI-DD-RED



Noggerath® Rotating Bar Screen RBS-DD-RED

Noggerath® offers the total solution for the Rotary Drum Screen and Rotating Bar Screen family:

Clogging-free infeed (even with large screenings dimensions – Double Drive concept) as well as clogging-free discharge (Radial Eco Drive).

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The information on technical performance data in this brochure is non-binding and must be checked on a case-by-case basis. Subject to technical changes.