



A brand of
Aqseptence Group

Noggerath® Continuous Belt Screen BS

For mechanical cleaning of wastewater or contaminated liquids in wastewater treatment processes and the recovery of recyclable materials.



With the Noggerath® Continuous Belt Screen BS, Aqseptence Group offers an economic and space-saving screen solution which has been successfully employed in daily use in municipal and industrial applications for more than 35 years.

The most important component of the Noggerath® Continuous Belt Screen BS is a slowly rotating continuous belt which consists of a multitude of identical screen elements. The solids are taken up directly from the channel and are smoothly removed from the liquid. The screenings are discharged and the belt is cleaned by a spray bar device and a rotating paddle directly behind the upper reversing point of the screen belt. Thus the screen entering back into the liquid is always clean.

Benefits

- High discharge capacity with peak loads
- Space-saving due to steep installation
- No submerged bearings
- Smooth transport of solids
- High throughput capacity with minimal footprint

Unique features

The intelligent, durable construction ensures low maintenance and a high level of operational reliability:

- Self-cleaning
- Blockage monitoring
- No roll-back of solids
- Integration into tanks and compact units simply possible
- Additional filtering effect due to a solids layer on belt surface
- Replacement of individual screen elements

The screen elements have proven themselves to be reliable due to:

- High mechanical strength and rigidity
- High impact strength in cold conditions
- High shape retention in warm weather conditions
- High thermal fatigue resistance in fluctuating temperatures
- Flexibility enables trouble-free transport of bulky matter such as wood, stones, etc.

Product variants & performance

Type	BS-C	BS-XL
Channel width	up to 1,200 mm	up to 3,000 mm
Channel depth	min. 500 mm	min. 800 mm
Discharge height	max. 6,500 mm	max. 10,000 mm
Bed drop	140 mm	260 mm
Throughput rate	up to 300 l/sec	up to 3,500 l/sec
Installation angle	85°	85°
Screen mesh width	1; 3; 6; 15	1; 3; 6 (10; 15)

Materials

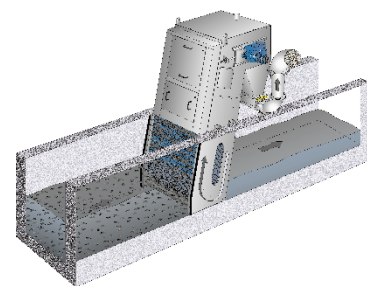
Machine frame, encapsulation, shafts and side plates	Stainless steel AISI 304 or AISI 316L Others on request
Chain studs, bushes, rollers	Stainless steel AISI 420, hardened
Screen elements	ABS plastic
Fittings and nozzles of the spray bar	Brass or stainless steel AISI 316L

Applications & fields of operation

Applications	Typical solids
Municipal treatment plants	Fecals and floating solids
Fish processing	Shells, peelings, algae, jellyfish, fish waste
Abattoirs, meat processing	Feathers, fibres and hides
Food industries	Vegetable waste
Sugar refineries	Fruits and fruit residues
Chemical industries	Rejects, pulper rejects, paper
Paper industries	Sanitary and plastic articles
Wood-processing industries	
Textile industries, tanneries	

Options

- Completely enclosed construction
- Automatic flushing system for invert recess
- Automatic flushing system for discharge chute
- Stainless steel channel-constriction plates downstream of screen



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