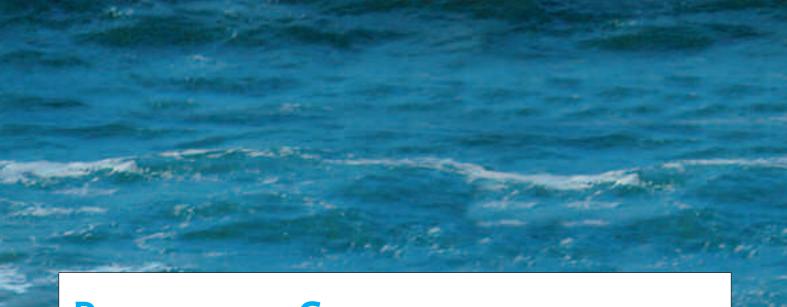


Solutions

for Water, Wastewater and Sludge Treatment

Technologies by Passavant, Geiger and Noggerath - Product Range



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Solutions by Passavant-Geiger

Quality and Reliability

Our Competence Centers guarantee the development of products, tailor-made to your requirements.

Using the best up to-date construction and engineering tools, we manufacture products meeting the state of the art. In our own production facilities we fulfil worldwide approved standards at a demanding, international high level quality.

Passavant-Geiger's intensive support after installation and commissioning relies on a worldwide CRM-supported service network.

Competence Center »Inlet Works« Pages 2, 4, 5

- → Screening Technology
- → Screenings Washers, Screenings Presses and Sand Washers
- → Spiral Conveyors

Competence Center »Fine Sieving« Page 3

- → Sieving upstream Membrane Bioreactors
- → Micro Sieving

Competence Center »Aeration Technology« Page 6

- → Surface Aeration
- → Improvement of efficiency and capacity of biological reactors / wastewater treatment plants

Competence Center »Pump Technology« Page 6

Competence Center »Shut-off Devices/Valves« Page 7

Competence Center »Sludge Treatment« Pages 8, 9

- → Static Sludge Thickener and Central Drives
- → Belt Thickener and Belt Filter Presses
- → Membrane Filter Presses / Chamber Filter Presses
- → Solar Sludge Drying

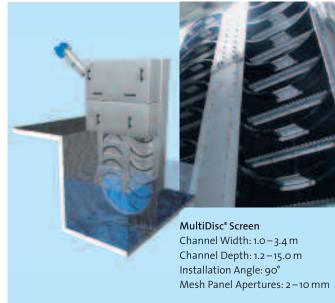


SGR Bar Screen with Grab Cleaner Channel Width: 0.9 – 6.0 m Channel Depth: 2 – 20 m Installation Angle: 75 – 90° Bar Spacing: 10 – 100 mm



KRC Climber Screen Channel Width: 0.8 – 3.0 m Channel Depth: 1–15 m Installation Angle: 75° Bar Spacing: 6–100 mm









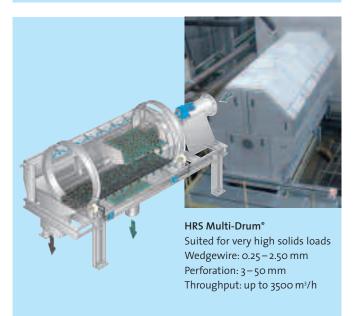
NST Nogco-Step® Gaps between Lamella: 2, 3, 6 mm Channel Width: 0.40 – 2.15 m Channel Depth: up to 3.5 m



Channel Depth: up to 7.0 m

Channel Width: 0.25 – 0.75 m









Throughput: up to 600 m³/h

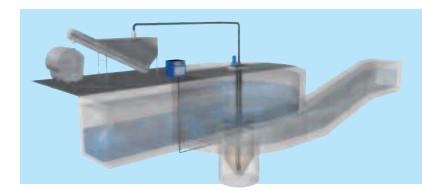


MTSM Micro Drum Sieve System Drum Diameter: 1–4 m Drum Length: 4.5 m

Sieve Mesh Aperture: 5–500 µm Capacity / Flow: up to 7000 m³/h

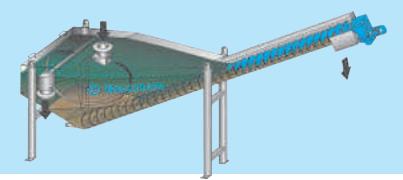






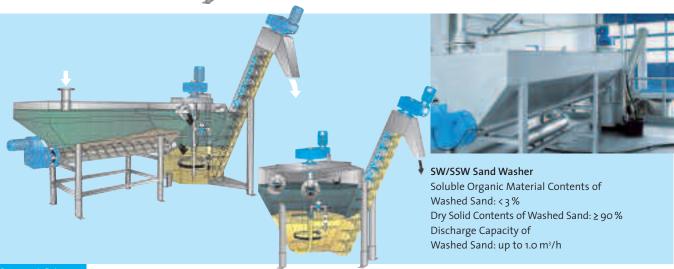
Circular Grit Chamber

Diameter: 2.0 – 7.3 m Throughput: 240 – 11400 m³/h Fitted in concrete or for smaller installations fitted in steel container.





SR Sand Separator Sediment Discharge Capacity: up to 3 m³/h Throughput: up to 35 l/s





NSI Compact Units
The NSI Compact Unit represents
the complete wastewater
treatment plant inlet stage consisting of:

- Wastewater fine screening
- Screenings dewatering
- Grit chamber with aeration system
- Grit classifier and grease trap
- Sand washing



Sewer Grit and Street Rubble Treatment Complete system for treatment of sand trap settings, sewer grit and street waste. Receiving Capacity: up to 30 m³/h

- Separation and sieving
- Washing and dewatering





Conveying Spirals
Conveying: 10 – 25 mm thickness
Dosing: 2 – 4 mm thickness
Diameter: up to 700 mm

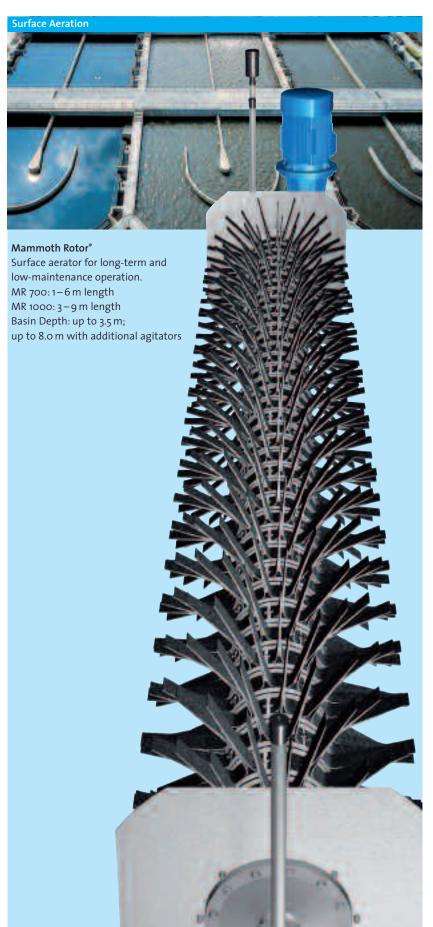


SF Spiral Conveyor

- Blockage-free
- Smooth running
- Low wear
- Horizontal and vertical conveying
- Own spiral manufacturing



Bunker SystemsBunkers and bunker systems in different sizes and types.



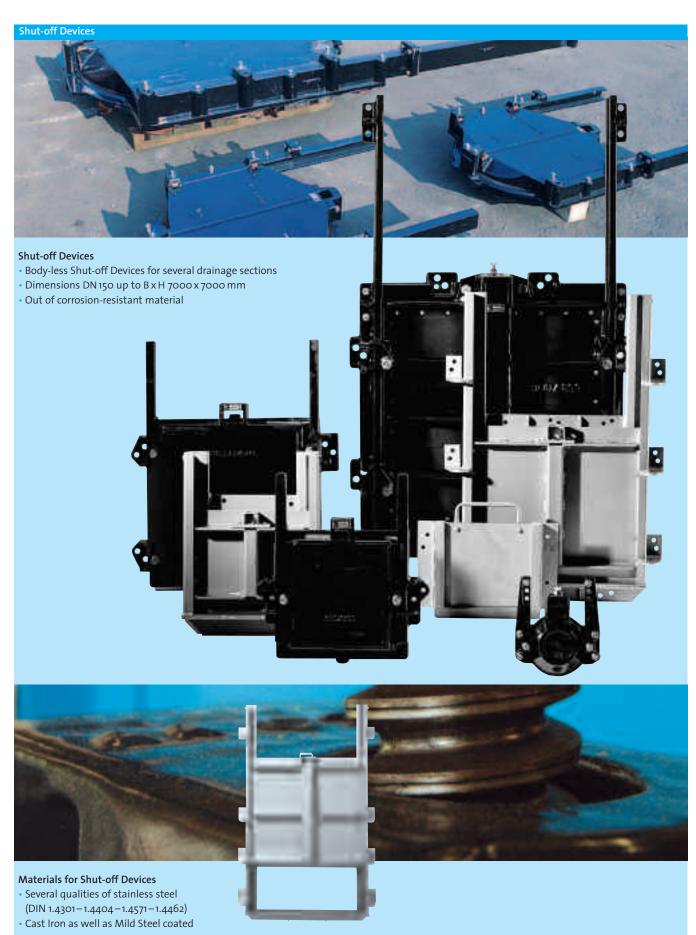


Pumps

- RD Slurry Pumps (submersible pumps)
- RW Vortex Pumps (submersible pumps)
- RT Turbotex Pumps (long-fibrous materials)
- Self-priming Centrifugal Pumps and Dry Installed Pumps (pumping of solids)

Nogco-Whirl Agitator





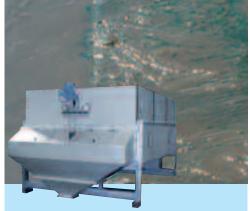
Sludge Treatment



Gravity Thickener

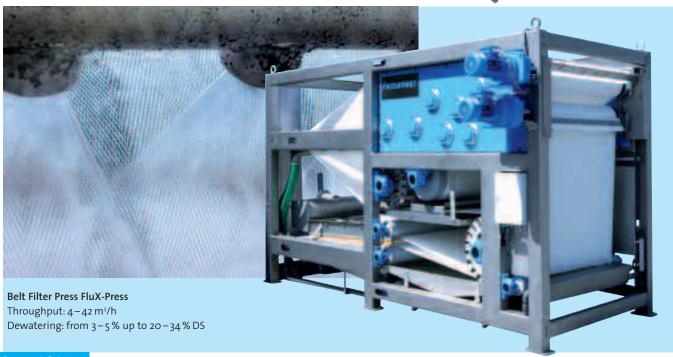
Blade loading designed for a solids content up to 8 % DS according DIN 19569 part 2, blade loading class 3.

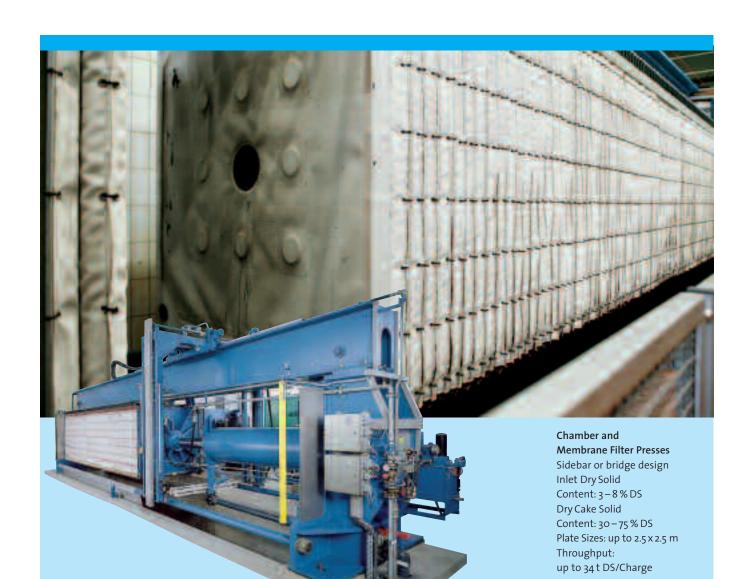
Sizes: Ø 5−30 m Drives: 3 Z−50 Z−Capacity • Hydraulic lifting unit



Drum Thickener ROEFILT
Throughput: 30 – 100 m³/h
Thickening: 0.5 – 2.0 % up to 5 – 12 % DS













Dry Sludge Chamber Filter Press



Dry Sludge Membrane Filter Press





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