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REPRESENTANTE AUTORIZADO

ANDRITZ
Separation

AquaDrum

The MBR protection screen



To protect the MBR (membrane bioreactor), it is essential to eliminate any kind of fibrous material which could damage the system. The AquaDrum has a capture rate close to 100%. The AquaDrum is installed after a 5-25 mm screening device or after clarification processes. Filtration is accomplished using a drum (holes ranging from 1-3 mm depending on the process) provided with an endless screw which ensures the conveying. The water/sludge mix

extracted by the AquaDrum can be collected directly or conveyed by a pump or conveyor. The final sludge is generally easier to handle and lower in volume and for subsequent transport. To ensure continuous operation and filtration efficiency, the AquaDrum has a fixed cleaning device which operates while the drum revolves.

The following features are provided:

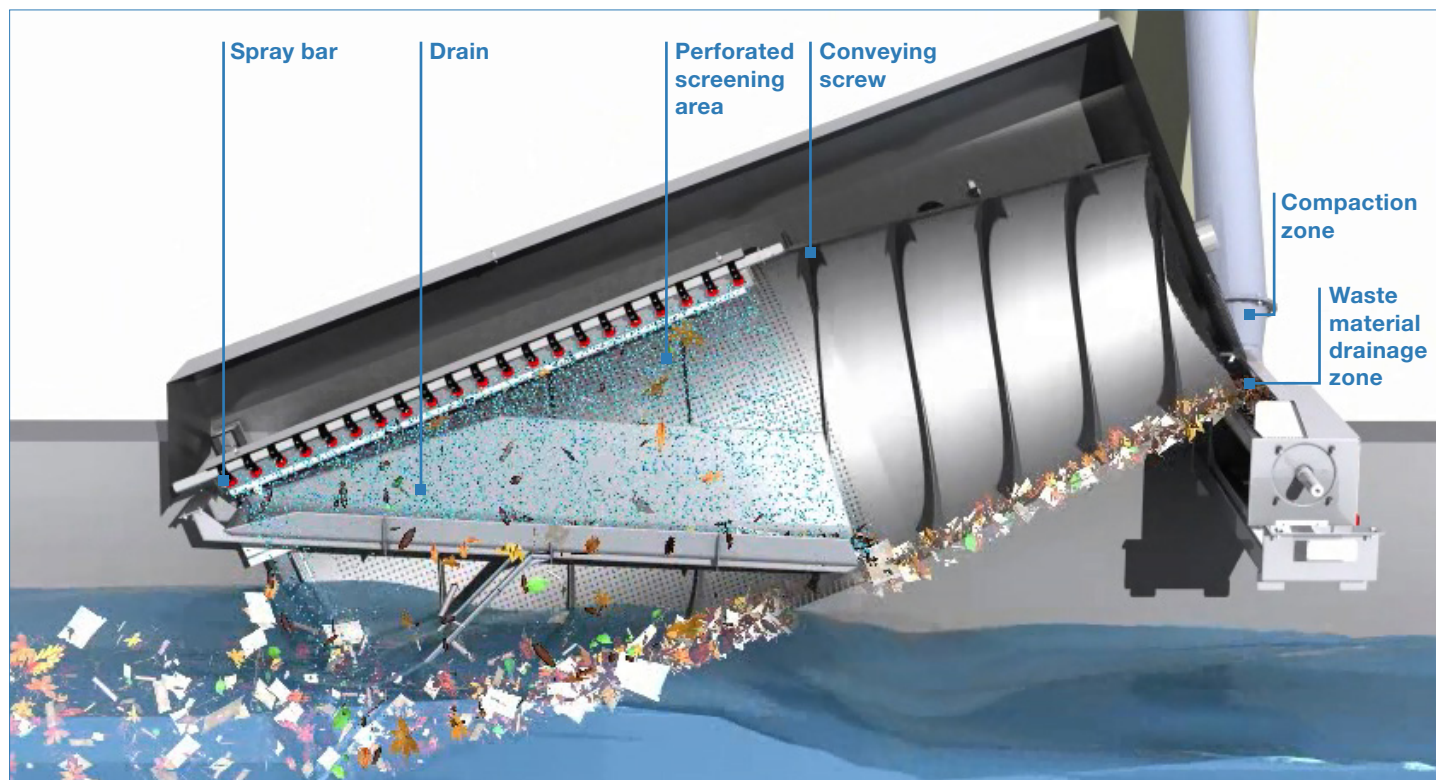
- Two functions: filtration and conveying

- Holes range from 1-3 mm
- Area of holes from 3-10 mm²
- Channel mounted
- Compliant with CE machine standards

The AquaDrum is applied for:

- MBR protection
- Extra fine screening for fibrous material removal:
 - Tannery and laundry
 - Vegetable cleaning, etc.

AquaDrum



Advantages

- One-piece drum giving excellent rigidity and stability of the screening area
- Roller guided drum, dismountable without tools (lifting of the drum and extraction of rollers within 30 min.)
- No greasing, the guide rollers are greased for life
- Waste extraction through pump or conveyor
- Continuous waste extraction

Model	Holes		Concentration (mg/l)	Upstream screening (mm)	Flow (m ³ /h)
	Diameter (mm)	Section (mm ²)			
AD 500	1-3	3-10	300-600	6 max.	350-600
				10 max.	300-500
				25 max.	250-400
AD 1000	1-3	3-10	300-600	6 max.	1,000-1,500
				10 max.	900-1,250
				25 max.	750-1,000

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