

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.

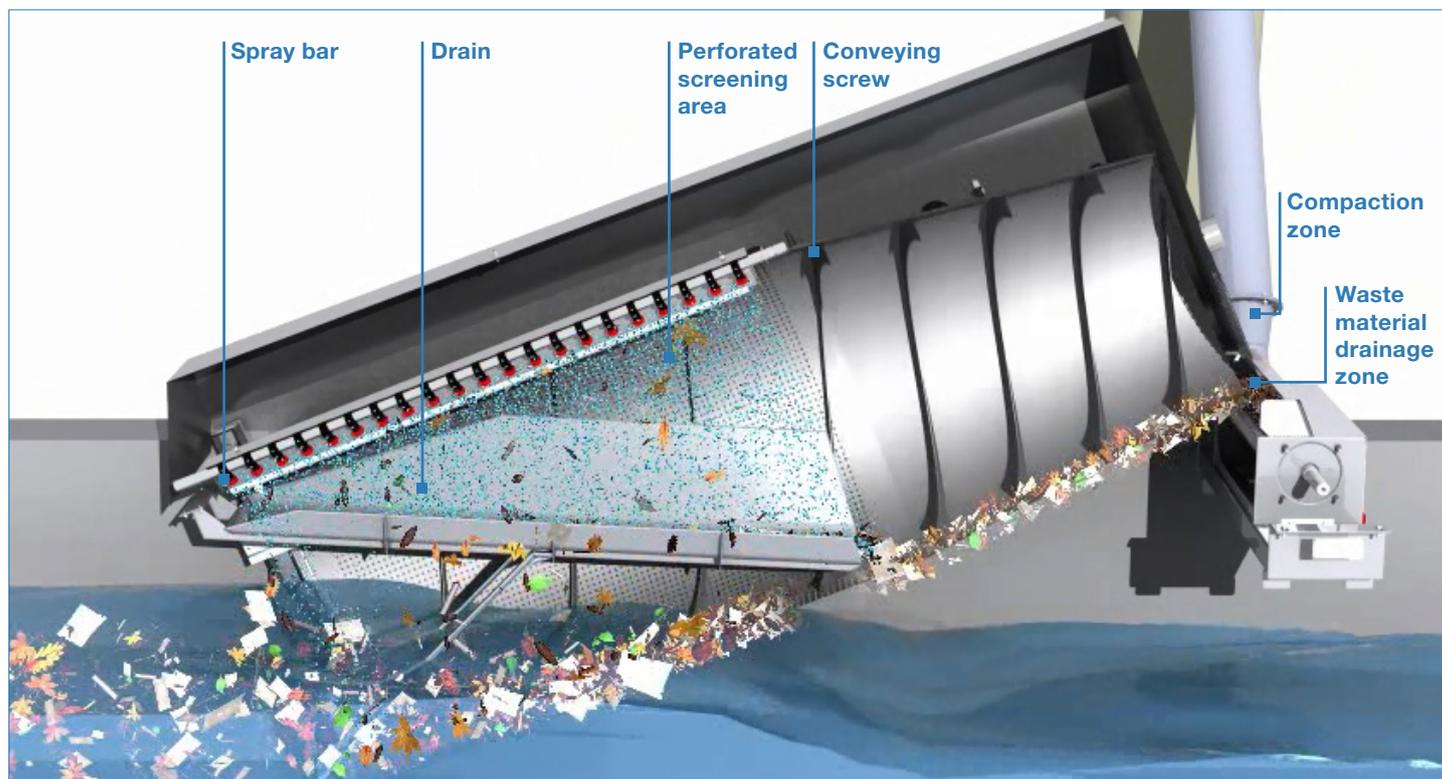
The following features are provided:

- 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

AFRICA
ANDRITZ Delkor (Pty.) Ltd.
 Phone: +27 (11) 466 2361
 Fax: +27 (86) 636 2122
 separation.za@andritz.com

AUSTRALIA
ANDRITZ Pty. Ltd.
 Phone: +61 (3) 8773 4888
 Fax: +61 (3) 8773 4899
 separation.au@andritz.com

EUROPE
ANDRITZ AG
 Phone: +43 (316) 6902 2318
 Fax: +43 (316) 6902 92318
 separation@andritz.com

ASIA
ANDRITZ Singapore Pte. Ltd.
 Phone: +65 (6512) 1800
 Fax: +65 (6863) 4482
 separation.sg@andritz.com

CHINA
ANDRITZ (China) Ltd.
 Phone: +86 (757) 6663 3419
 Fax: +86 (757) 6663 3448
 separation.cn@andritz.com

SOUTH AMERICA
ANDRITZ SEPARATION Ltda.
 Phone: +55 (47) 3387 9110
 Fax: +55 (47) 3387 9103
 separation.bra@andritz.com

www.andritz.com