PROCÉDÉS
WASTEWATER SCREENS

DRUM SCREEN
Type PROMEL
Internal Feed
Filtration mesh: 0.8 to 3.0 mm

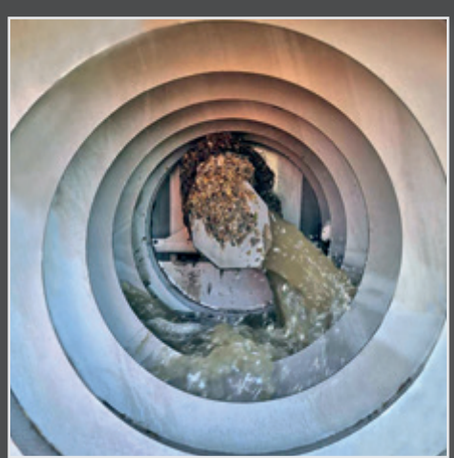


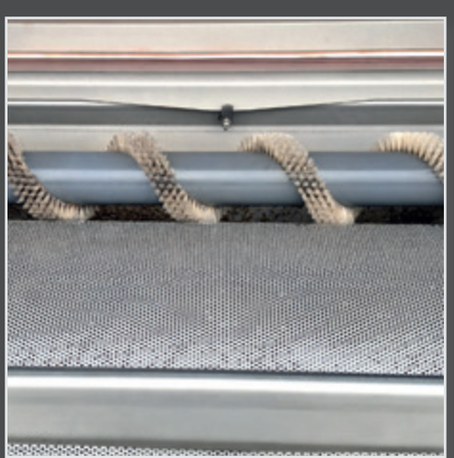
TECHNICAL SPECIFICATIONS

Max Flow Rate	100 m^3/h
Filtration Mesh	0.8 to 3.0 mm
Drum Diameter	400 to 640 mm
Inclination	5°
Material	304L or 316L

- Fine screening
- Full Stainless steel
- Easy access to wear parts
- Easy maintenance
- Compatible with our screw conveyors or presses
- Design, manufacturing & FB quality







1 **CHASSIS**
Including inlet/outlet pipes and adjustable support legs

2 **DRUM**
Equipped with perforated plates and rolling tracks

3 **DRUM RING GEARS**

4 **DRUM GUIDE ROLLERS**

5 **CLEANING SPRAY BAR**
1/4 turn manual valve (3/4" female connection) and its solenoid valve. Wash flow rate at 4 bar: 27 L/min

6 **BRUSH**

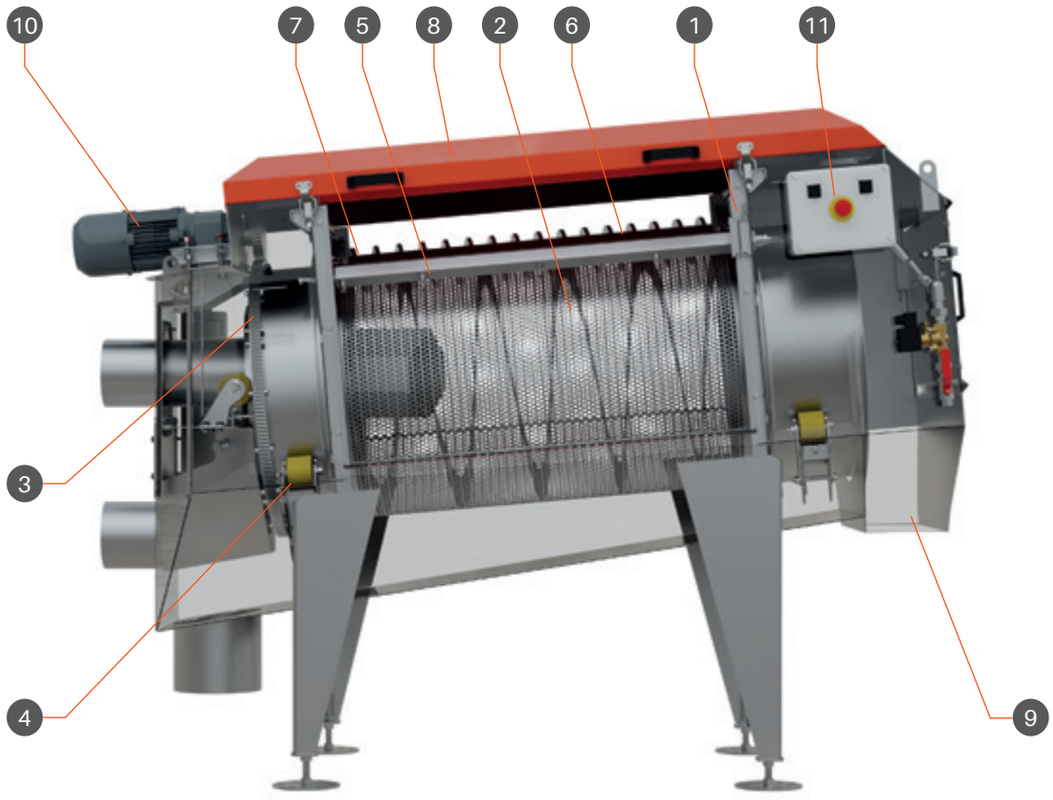
7 **REMOVABLE SIDE PANELS**
With 1/4 turn latch

8 **TOP COVER**
Hinged, assisted by two stainless steel gas struts and equipped with a safety limit switch

9 **WASTE DISCHARGE HOPPER**
Equipped with an inspection hatch with quick-release fasteners and a safety limit switch

10 **GEARMOTOR**
NORD BRAND. P = 0.25 TO 0.75 KW

11 **MANUAL CONTROL BOX**
Equipped with "forward-reverse" and "forced rinse" push-buttons and a mushroom-head emergency stop. the gearmotor and safety limit switches are connected to it.



OPERATING PRINCIPLE

The effluent loaded with waste enters the screen through the inlet pipe and is discharged inside the drum. The water passes through the perforated plate while the waste is retained within the drum. Fitted with an internal screw flight, the drum's rotation conveys all waste toward the outlet and the discharge hopper. The effluent is channelled and directed through the bottom of the screen toward the outlet pipe. To prevent clogging of the perforated plate, a spray bar and a brush ensure the cleaning of the drum. Available as an option, the screen can be equipped with an "overflow" in case of unexpected drum clogging.

OPTIONS

Overflow, electrical control panel (and its stainless steel support if necessary), adaptation chute at the waste discharge hopper outlet, stainless steel riser to elevate the screen, various piping for site adaptation, etc.

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