PROCÉDÉS
WASTEWATER SCREENS

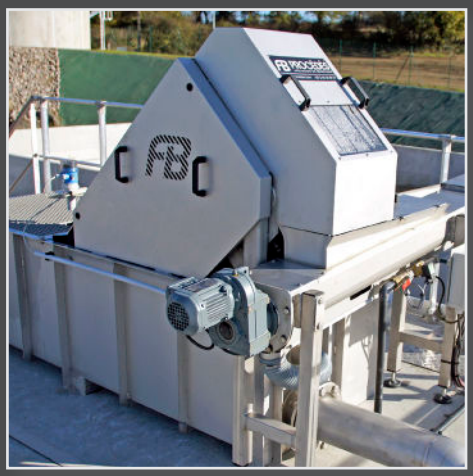
STEP SCREEN
Type PROSTEP

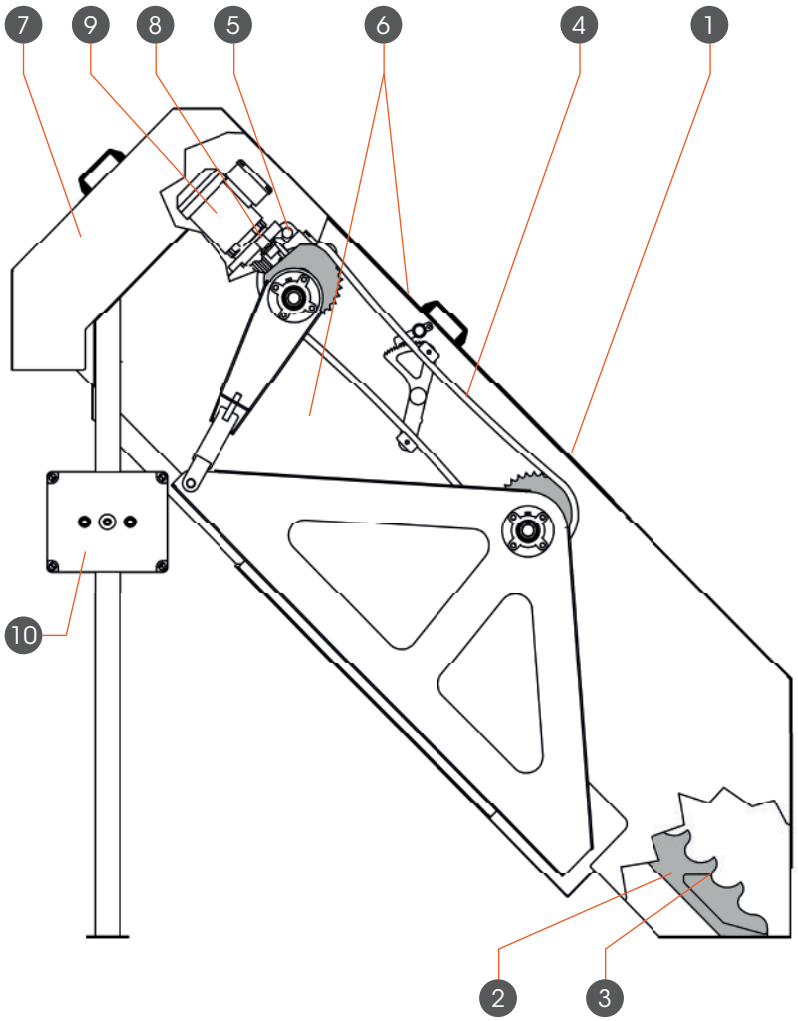
SLOT WIDTH 2 to 6 mm
WIDTH up to 2,000 mm

Fine slot width	100% submerged parts in Stainless Steel	Wear parts easy to access
Surface screening at high flows	Optimized waste collection	Custom built
Minimized head loss	Quiet operation (< 50 dB)	On a pivoting axis for maintenance

TECHNICAL SPECIFICATIONS

Max. Flow Rate	1,000 m3/h
Slot Width	2 to 6 mm
Width	300 to 2,000 mm
Max. Depth	2,000 mm
Discharge Side	Downstream
Angle	45°
Material	AISI 304L or 316L





1 • FRAME
Including casing with attachment parts (by fastening or embedding).

2 • SCREEN
Blades made of High Performance stainless steel.

3 • GUIDES
Ensure consistent slot width. Made of stainless steel.

4 • CHAIN
Adjusted with automatic tensioner.

5 • AUTOMATIC GREASE APPLICATOR
Capacity: 1 year.

6 • REMOVABLE COVERS

7 • WASTE DISCHARGE HOPPER

8 • TACHOMETER

9 • GEARED MOTOR
Make SEW. P = 0,5 to 2,0 kW.

10 • MANUAL CONTROL PANEL
Equipped with «forward-backward» pushbuttons and an emergency stop punch button. The geared motor and sensors are connected to it.

OPERATING PRINCIPLE

The waste piles up against the screen, resulting in a difference of water level between the upstream and the dowstream sides. When the difference of water level reaches a set value, a signal is sent to start a screening cycle. The blades start rotating, the waste is lifted up from one step to the above step until it reaches the waste discharge hopper. Once the screen is clean, the water level goes back to normal, and a signal is sent to stop the screening cycle.

OPTIONS

Heating element to prevent freezing, lifting equipment with winch for maintenance, level sensors, electrical control panel, ATEX equipment, polycarbonate windows, «fault» revolving light, security sensors for removable covers, etc.

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