PROCÉDÉS
WASTEWATER SCREENS

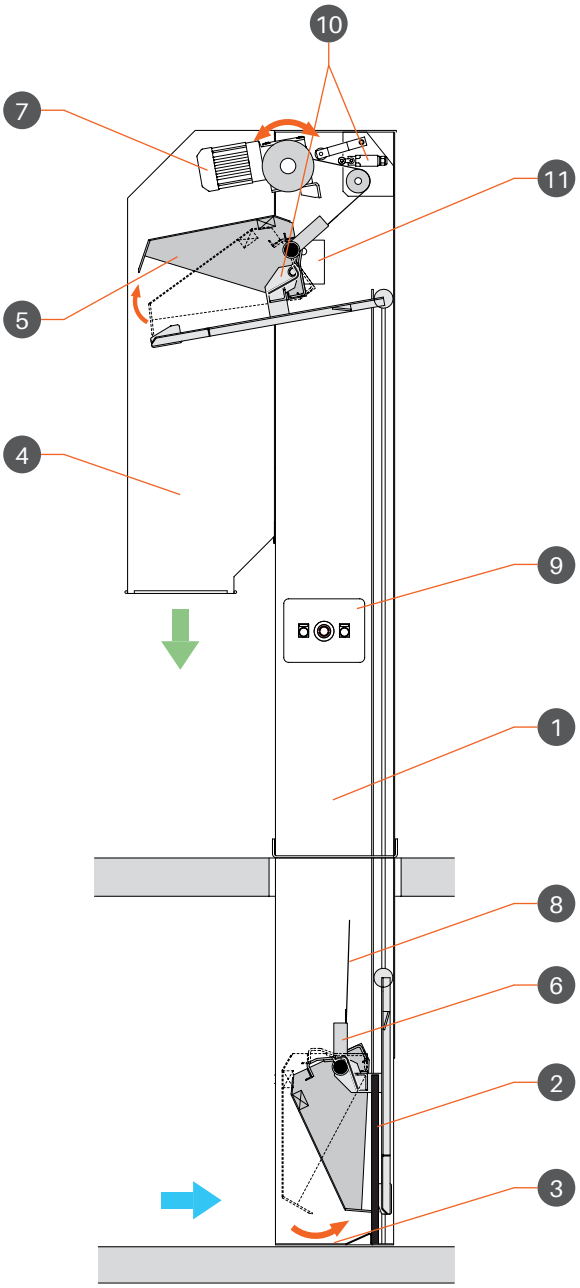
AUTOMATIC BAR SCREEN Type SG

WITH UPSTREAM WASTE DISCHARGE WIDTH 400 mm & 500 mm

- Single and central strap
- New or existing structures
- In channel or in pumping station
- Robust and reliable design
- Custom Built
- Low operating cost
- Easy maintenance
- Wear parts above water level
- CE compliant

TECHNICAL SPECIFICATIONS

	SG400	SG550
Max. Flow Rate	120 m3/h	250 m3/h
Bar Spacing	3 to 30 mm	
Width	400 mm	550 mm
Max. Depth under Installation Plane	5,500 mm	7,500 mm
Max. Total Height	8,000 mm	10,000 mm
Discharge Side	Upstream	
Slope	0°	
Material	AISI 304L or 316L	



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

2 • FIXED SCREEN
Welded at lower end. Bar spacing on request.

3 • COLLECTION RECEPTACLE

4 • WASTE DISCHARGE HOPPER
Forms cover, made of an openable front panel on hinges, a side panel on hinges, and a motor panel. Equipped by default with a bag strap.

5 • SCOOP/CARRIAGE ASSEMBLY
The carriage slides in the rails and discharges its load in the top position. The scoop is equipped with a comb to clean the screen.

6 • MOBILE PART
Attached to the end of the strap, it initiates the opening or closing of the scoop according to its position on one of the two sides of the scoop hinge pins.

7 • GEARED MOTOR
(SEW, P=0,18kW), with single-strap drum.

8 • POLYESTER STRAP
Resistant to all chemical products and freezing
(breaking strength = 3 tons).

9 • MANUAL CONTROL PANEL
Equipped with «up-down» pushbuttons and an emergency stop punch button. The geared motor and limit sensors are connected to it.

10 • POSITION SWITCHES
«Top» and «Bottom».

11 • SAFETY SWITCH

OPERATING PRINCIPLE

On receiving the operation signal, the open scoop/carriage assembly slides down to come to rest on the collection receptacle. Under the effect of gravity, the mobile part changes position, the strap slackens and releases a feeler which actuates the “bottom” limit sensor. The motor operating direction is then reversed, the strap is tightened, the scoop closes engaging its teeth in the screen and is raised. At the top, the scoop/carriage assembly comes to bear against studs and then pivots until the position of the mobile part changes causing the scoop to open and discharge the waste. The «top» limit sensor stops the motor and actuates the reverser. The open scoop/carriage assembly slides down again for a new cycle.

OPTIONS

Frame made of several sections depending on the depth or installation (for example inside a building) • Acoustic insulation • Manual side emergency basket • Side deflectors • Heating element for frost protection • Washing spray bar • Metal channel • Electrical control and automation panel • Solar power supply with photovoltaic panelsDrain hatch • Automatic bagging unit • Etc.

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