PROCÉDÉS
WASTEWATER SCREENS



BAR SCREEN
Type SI350

DOWNSTREAM DISCHARGE
FIXED WIDTH of 350 mm

Single and central strap	For flows up to 50 m3/h	Installation exclusively in channel
Robust and reliable design	Removable screen and comb	Low operating cost
Control Panel (optional)	Wear parts above water level	CE compliant

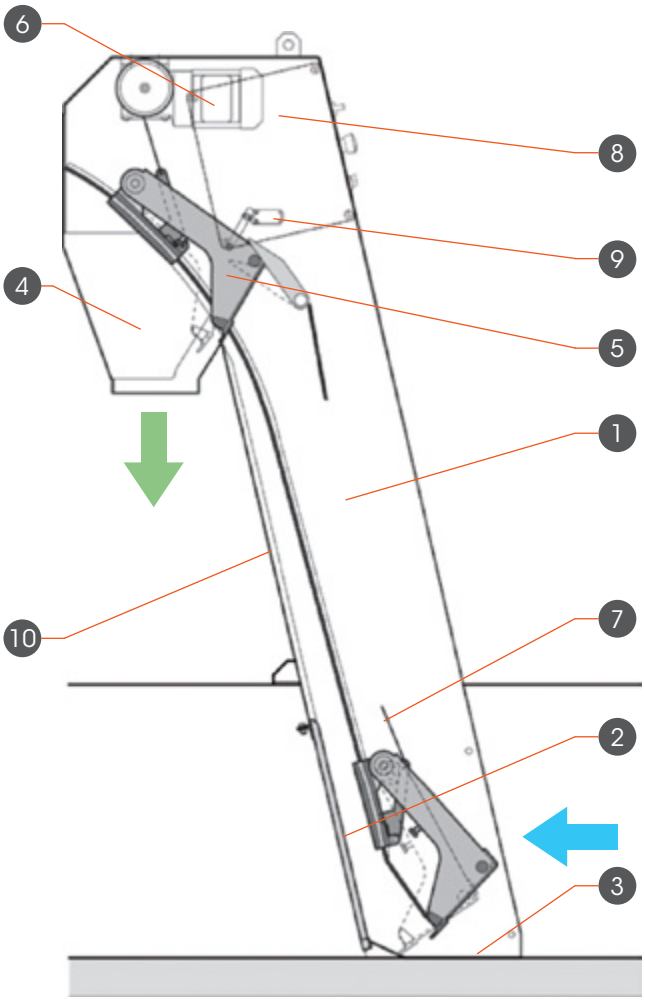
TECHNICAL SPECIFICATIONS

Max. Flow Rate	50 m3/h
Bar Spacing	6, 10, 15 or 20 mm
Width	350 mm
Max. Depth under Installation Plane	400 to 1,400 mm
Discharge Height	600 to 1,400 mm
Discharge Side	Downstream
Slope	15°
Material	AISI 304L or 316L









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

2 • REMOVABLE SCREEN
Mounted with bolts to the frame. Bar spacing of 6, 10, 15 or 20mm.

3 • COLLECTION RECEPTACLE

4 • WASTE DISCHARGE HOPPER
With inspection door.

5 • SCOOP/CARRIAGE ASSEMBLY
The carriage slides on a plate. The scoop is equipped with a removable comb to clean the screen.

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

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

8 • CONTROL PANEL (OPTIONAL)
Equipped with:
- ON/OFF selector
- Emergency Stop punch button
- «3 Positions» Switch (Auto/O/Manu with manual control)
- «Power», «Fault» and «Reset Fault» indicator lights
- Inputs on programmable logic controller: «external command» and «force-guided command»
- Outputs on programmable logic controller: «Bar screen fault feedback»

9 • POSITION SWITCH
«Top»

10 • WASTE GUIDE

OPERATION

On receiving the operation signal, the scoop/carriage assembly slides down opened. At the end of the rails, the scoop comes to rest on the collection receptacle. The strap completely unwinds, then rewinds the other way around the drum. The scoop closes engaging its teeth in the screen and is raised. When exiting the screen, the waste is trapped between the comb and the "waste guiding" plate. At the top, when the comb reaches the inclined plane, the waste falls in the hopper. The carriage reaches the "top" limit sensor, which stops the geared-motor and activates the reverser. The motor's rotation is reversed, the scoop/carriage assembly slides down again for a new cycle.

OPTIONS

Control Panel • Lateral deflectors • Single-phase gearmotor • Sealed transformer if no neutral is available • Bag strap on hopper • Metal channel • Solar power supply with photovoltaic panels • Anti-freeze system for the discharge inclined plane • Safety package • Etc.

FB PROCEDES
6 rue Marcel Dassault
44980 Sainte Luce sur Loire - FRANCE

www.fb-procedes.com

Tel. +33 6 02 13 75 61
contact@fbprocedes.fr