

ENVIROSLOT

STATIC SCREEN



PARTICULARLY SUITED FOR
EFFLUENTS WITH A HIGHLY
FIBROUS CONTENT (PULP
AND PAPER) AS WELL AS
SLAUGHTERHOUSES,
TANNERIES, FOOD INDUSTRY...)
INCLUDES NO MOVING PARTS

DESCRIPTION / OPERATION

The static screens are fed into a box at the rear of the machine. The effluents loaded with suspended matter are discharged overflowing over the entire width of the screen.

This technology is regularly used in the paper industry because the principle is particularly well suited for the separation of fibrous particles. This solution is also used in the slaughterhouse, tanneries, food and agri-food industries. Wherever you are looking for a static separation solution with no mechanical parts in motion, this technology can find its place. It is, in some cases, used for the screening of effluents at the inlet of the treatment plant.

Continuous, or intermittent, washing ramp adapted to the nature of the effluent may be added for proper cleaning of the upper part of the screen. The position and design of the screen allow waste to slide down and thus offers a clean screening surface for the continuity of the effluent treatment.

The waste is collected at the bottom of the screen while the screened effluent is recovered in the lower part behind the screen.



FRAME

The frame is made up of two main parts. One for the reception of the raw effluents which ensures the spill overflow on the top of the screen, and the other which receives the screened effluent.

SCREEN

The screen consists of trapezoidal wires in horizontal position which separates the suspended matter. The spacing between the wires defines the mesh and their trapezoidal shape avoids the retention of particles on the back of the screen.

FLANGES

The machine is equipped with two flanges. One for feeding in the upper part of the machine and the other in the lower part, for evacuation of the effluent.



MATERIAL

Construction in stainless steel 304L or 316L

PERFORMANCES

Mesh (mm)	Hydraulic flow rates (m ³ /h)					
	SLS 500	SLS 750	SLS 1000	SLS 1250	SLS 1500	SLS 1750
0,25	34	50	67	84	101	117
0,5	38	56	75	94	113	131
0,75	48	71	95	119	143	166
1	53	79	105	131	158	184
1,5	64	95	127	159	191	222

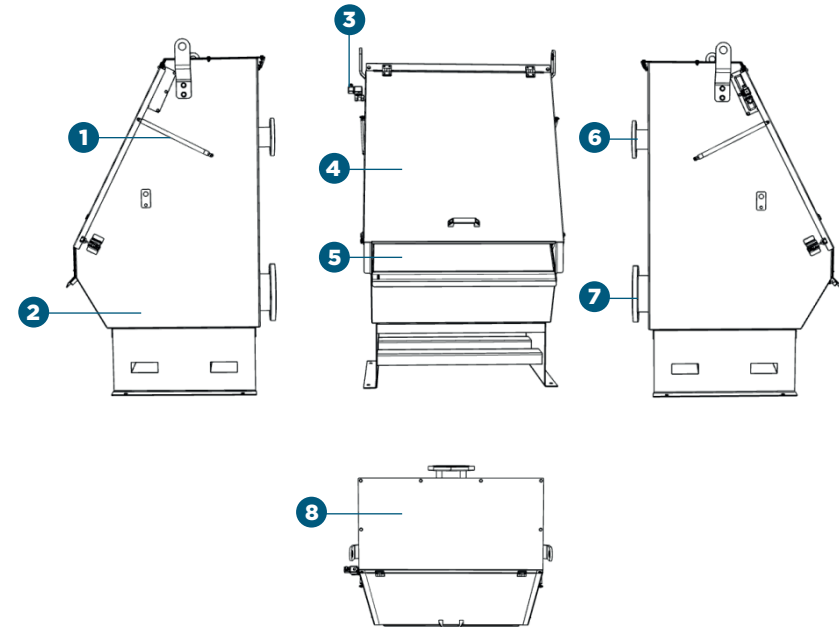
Flow rates are reported as information for an effluent loaded from 200 to 500 mg / l. For any request please consult us

SPECIFICITIES

- No moving parts
- No electrical consumption
- Separation by gravity
- Easy installation and maintenance
- Low maintenance costs
- Reliability and durability

LAY-OUT

- 1 Cover jack
- 2 Body frame
- 3 Washing ramp connection
- 4 Cover
- 5 Screen
- 6 Inlet flange
- 7 Outlet flange
- 8 Anti-splash cover



DIMENSIONS

Models	Overall dimensions in mm					
	SLS 500	SLS 750	SLS 1000	SLS 1250	SLS 1500	SLS 1750
Width	1100	1350	1600	1850	2100	2350
Height	1850					
Length	1100					

A STEP AHEAD IN WATER TECHNOLOGY

sfa-enviro.com

 [@sfa_enviro](https://twitter.com/sfa_enviro)

 **SFA** GROUP

