

STEP SCREEN® L

One step ahead



HYDRAPRESS

Waste Water Management
HYDRAPRESS Wallander & Co AB

When experience

STEP SCREEN® L is one of the most advanced concepts for separating solid particles from waste water. Our improved fine screen is superior in quality, capacity and cost efficiency.

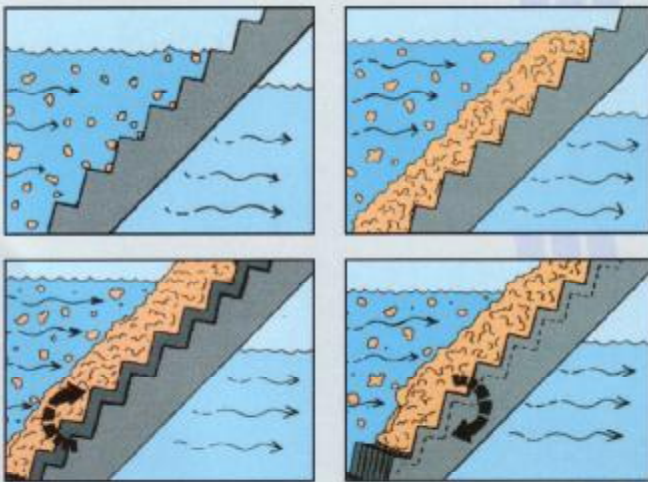
STEP SCREEN® L is the result of many years of individual thinking, imagination and research into customer demands.

We introduced the Step Screen in 1985.

This unique concept together with the Step Screen® Master revolutionised the fine screen technique. Today, we have over 2 000 installations worldwide in both municipal sewage plants and industrial processing plants.

With the STEP SCREEN® L, we have developed our successful concept further and consolidated our leading position.

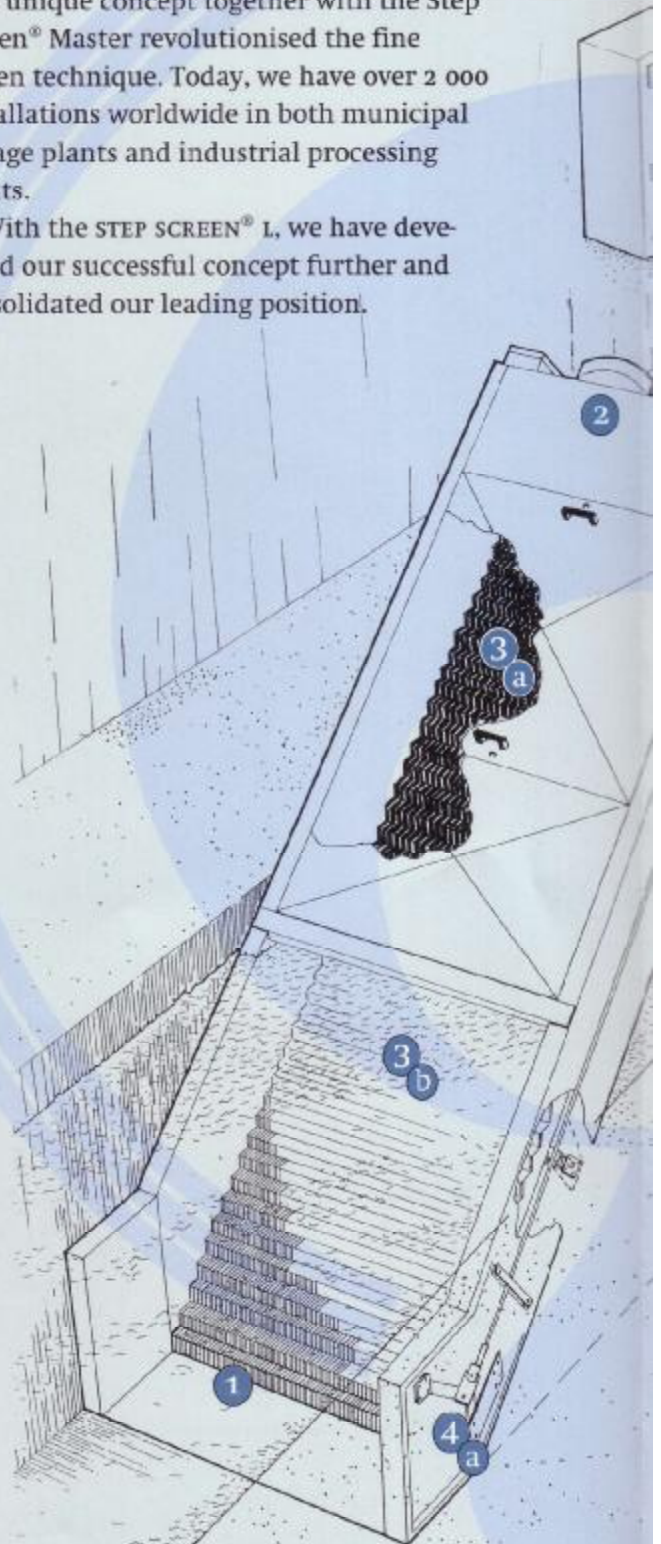
How STEP SCREEN® works



THE STEP SCREEN® system uses the actual solid particles in the cleaning process. This unique method provides higher filtration efficiency than that provided solely by the actual slot width. On the step-shaped laminae, where every other lamina is connected to one fixed and one moveable part, a carpet of solid particles is formed. This gives a high sieving efficiency.

The rotating step-shaped laminae convey the solid particles upwards, step by step. The circular movement is self-cleaning and the solid particles are automatically offloaded at the discharge point.

STEP SCREEN® together with HP Screw Press or HP Conveyor Press, forms a complete system for the handling of screenings.



STEP SCREEN® L

and ability count

Some reasons for investing in STEP SCREEN®

- Minimum wear and tear, minimal maintenance
- Easy installation – simple to adapt to existing channels
- Easy to service, tiltable screen and easily replaceable laminae
- Stainless steel construction
- Self-cleaning system provides a high degree of operation reliability
- Increased flow capacity
- Wide range of models

Our success is based on the following

1. THE BOTTOM STEP:

- Flexible bayonet-mounted laminae ensure maximum durability against sand erosion.
- No blind step – the entire slot opening allows sand and gravel to travel freely along the bottom of the channel.

2. DRIVE ASSEMBLY:

- Motor and gearbox well above the water level.
- Simple design and sturdy construction.

3. THE SCREEN:

- Constant slot width with injection-moulded spacers.
- Well designed step laminae ensure optimal removal and transportation of the captured particles.
- On the models SSL 4900 and 3500 polyethylene laminae with a narrower slot width are used in the upper part of the screen above the water level. This prevents screenings from passing through the screen.

4. POWER TRANSMISSION:

- Patented slewing bracket without chain.
- Movable unit connected with the drive assembly.
- Power drive hooked up to the transmission gears.

5. THE WORKING ENVIRONMENT:

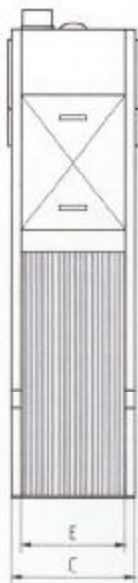
- Hygienic cover with easy to open inspection hatches.
- Electronic overload security system prevents mechanical failure.
- Simple to connect to existing ventilation systems.
- CE approved.



3a for SSL 3500 and SSL 4900

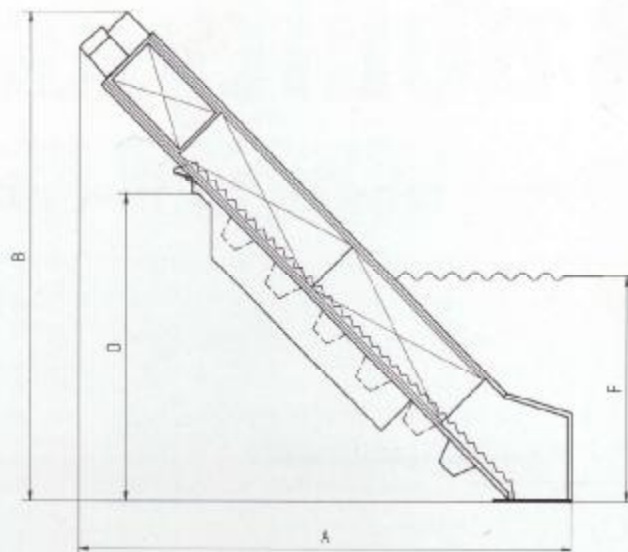


STEP SCREEN L



Step Screen® L – technical specification

(Dimensions
in mm unless
otherwise stated)



Model	SSL 600	SSL 1000	SSL 1500	SSL 2000	SSL 2500
A) Built-in length	1120	1365	2130	2500	2810
B) Height	1150	1400	2050	2420	2740
C) Width	300-700	300-700	300-1700	300-1700	500-1700
Slot width	1, 3, 6	1, 3, 6	1*, 3, 6	1*, 3, 6	1*, 3, 6
Flow, l/s, (clean water) at max H_1 and $\Delta H=200$ mm, max efficient width (E) and 3 mm slot width	155	350	1200	1520	1985
D) Discharge height	470	700	900	1270	1580
E) Effective screen width	165-565	165-565	165-1065	165-1565	365-1565
F) Max water level in front of screen (H_1)	350	650	800	1000	1270

Model	SSL 3000	SSL 3500	SSL 4900		
A) Built-in length	3180	3780	4430		
B) Height	3100	3700	4350		
C) Width	500-1700	500-1700	500-1700		
Slot width	1*, 3, 6	3, 6	3, 6		
Flow, l/s, (clean water) at max H_1 and $\Delta H=200$ mm, max efficient width (E) and 3 mm slot width	2195 (2765)**	2410 (3300)**	2975 (4200)**		
D) Discharge height	1950	2540	3220		
E) Effective screen width	365-1565	365-1565	365-1565		
F) Max water level in front of screen (H_2)	1430 (S:1800)**	1570 (S:2170)**	2000 (S:2800)**		

*) 1 mm available on request

**) For models SSL 3000 S, SSL 3500 S and SSL 4900 STD.

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