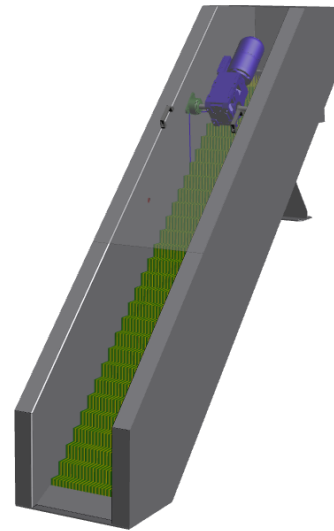


STEP FINE SCREEN

SPECIFICITIES

- > Installation : Channel
- > 45° inclined step screen
- > Selfcleaning
- > Mesh from 3 to 6 mm
- > Discharge height up to 8 m
- > Screenings discharge downstream
- > Reliable technology
- > Small footprint



DESCRIPTION / OPERATION

The STEPSEP step screen, STS series, are installed in channels. They fulfill the fine screening function at the inlet of a sewage treatment plant (mesh from 3 to 6 mm). In addition, they can be equipped with a fully integrated compactor for screenings dewatering (STS/P series).

The effluent passes through the screen and deposits the suspended matter on the filter screen constituted by vertical lamellas made of stair-shaped cutted stainlesssteel sheets.

The screen start-up is programmed periodically, and by loss of head measurement caused by the accumulation of waste on the immerged part of the screen.

The recovery of waste on top of the unit is carried out by the rotating movement of the lamellas.

○ FRAME

The structure of the screen is made up of two lateral frame structures fitting the required channel width. For channel installation, lateral rubber bands are sealing the gap between screen and civil-work. Different widths and discharge heights are available to accommodate a wide variety of configurations.

○ FILTRATION SCREEN

The screen consists of fixed lamellas and movable lamellas mounted alternately. The moving lamellas describe a circular motion. Thus, their relative movement, with respect to the fixed blades, has the effect of raising the waste step by step to the top of the unit before discharge.

○ MECANISM

The circular movement of the movable assembly is generated by means of transmission arms connected to eccentric wheels. The assembly is driven by a geared motor mounted on the main driving shaft.

○ WASTE

The screening waste can thus be unloaded in a container. They can be also transferred to a conveyor or a transversal screw compactor integrated to the unit (Version STS/P).

TECHNICAL DATA

MATERIAL

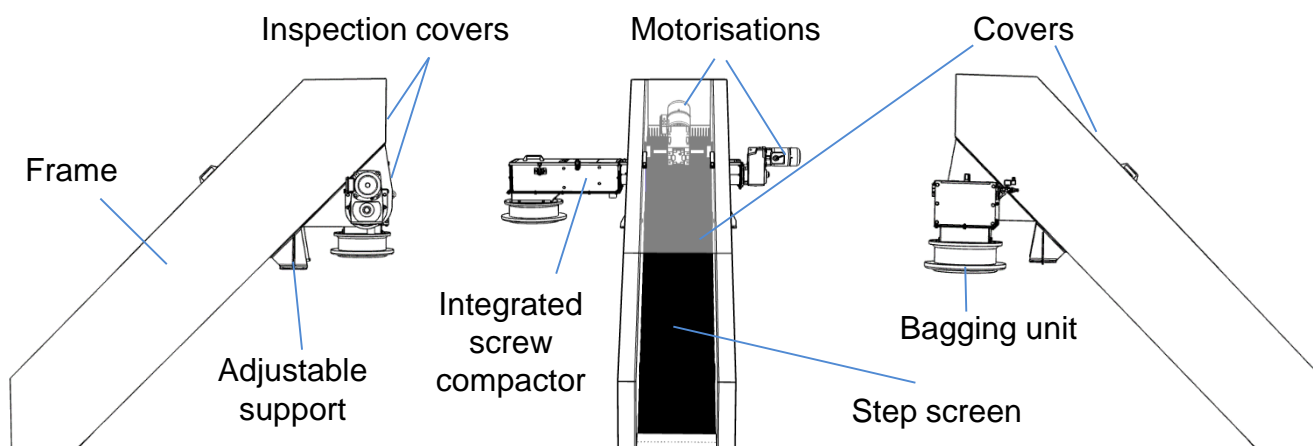
- Construction in stainless steel 304L or 316L

PERFORMANCES

Mesh (mm)	Hydraulic flow rates with urban effluent (m ³ /h)					
	STS 500	STS 750	STS 1000	STS 1250	STS 1500	STS 1750
3	219	328	437	546	656	765
4	250	375	499	624	749	874
5	273	410	546	683	819	956
6	291	437	583	728	874	1020

Above values are not contractual
Above informations are not exhaustive

LAY-OUT AND DIMENSIONS



Models	Overall dimensions in mm					
	Discharge height Maxi	Total height maxi	Channel width mini	Screen width	STS width	Channel hold length maxi
STS 500	3000	3800	500	260	490	1900
STS750	3000	3800	750	510	740	1900
STS1000	3000	3800	1000	760	980	1900
STS1250	3000	3800	1250	1010	1230	1900
STS 1500	3000	3800	1500	1260	1480	1900
STS 1750	3000	3800	1750	1510	1730	1900

The manufacturer reserves the right to make technical and manufacturing modifications without prior notice.
Not all installation possibilities and combinations are indicated. Please consult us.