

Stjernholm stepscreen



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Stjernholm stepscreen is used on several sewage treatment plants. All over the screen is known for its reliability and stable operation, and a large separation of solid particles in the wastewater.

Stjernholm stepscreen is suitable for mounting in the inlet channels on municipal and industrial sewage treatment plants, where an effective separation of solid particles is wanted.

Function

Stjernholm stepscreen is activated by the water level. When the water level reach a predetermined level, the gear motor will start to operate the screen bars. The parallel bars, which are fixed and movable by turns, secure an effective separation of screenings.

Bag side

The screen is provided with gear motor, which draws the movable bars by a chain drive. The screen has a low front edge at the bottom of the screen, which secures an optimal hydraulic operation, and it is avoiding grit and sand lying in front of the screen.

- Practically service and maintenance free
- Automatic running
- Can be installed in existing channels
- Bar width: 3-10 mm
- Thickness of bars: 3 mm or 4 mm
- Discharge level of up to 2.000 mm
- Capture of screenings > 98%
- Made in stainless steel AISI 304 (AISI 316 option)
- Closed system with a high level of hygiene



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The screen stands at a 45 degree angle, partly submerged in water. It has solid and movable 4mm thick screen steps. The screen steps are formed as steps with the movable steps leading the screening substances from step to step, from the bottom to the top of the screen.

The movable arrangement is driven by an electric motor via chain-wheel and chain. The width of the screen can vary from 500-1200 mm, according to need, and is suitable for water flow from 350-2000 m³/per hour. The mechanical fine screen is produced in stainless steel and no bearings or moveable components are submerged under water.

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A Discharge height	(standard 1400 mm)
B Max. inlet level	(custom specific max. 800 mm)
C Max. drainage	
D Effective width on the screen	330-1030 mm
E Total Width	500-1200 mm

