



# HUBER

## Fine Screen STEP SCREEN® SSF

The suitable machine for any application:

- ▶ for high separation efficiencies
- ▶ for any flow rate
- ▶ easy and reliable screenings transport

More information,  
downloads and  
current news



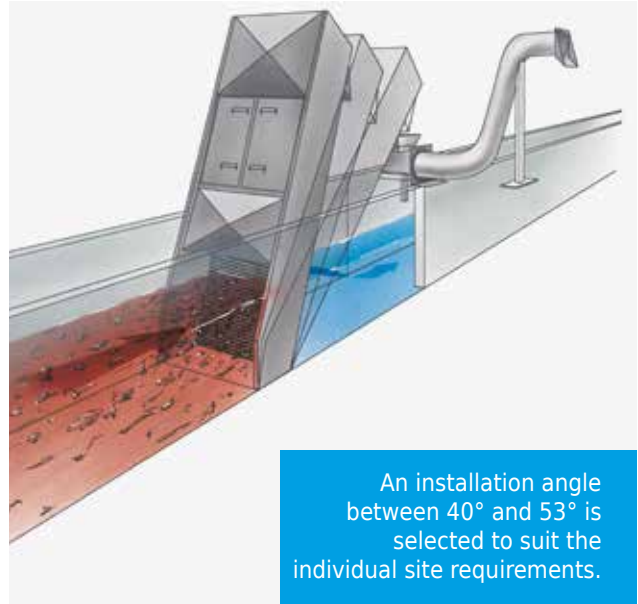
## HUBER Fine Screen STEP SCREEN® SSF:

The variable installation angle ensures

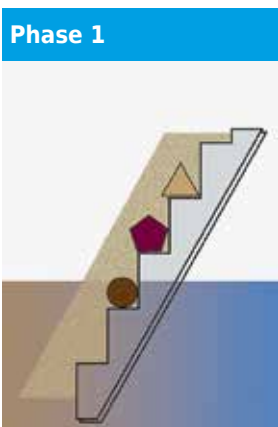
- ▶ optimal adjustment to individual hydraulic conditions, such as limited upstream levels due to preceding pumping stations
- ▶ operating reliability due to tailor-made layout

The HUBER STEP SCREEN® System is widely accepted and successful due to its function and easy-to-follow operation principle as well as the simple cleaning method without any aids (self-cleaning effect according to the counter-current principle). It is furthermore easy to maintain and able to handle extremely big screenings volumes while it offers also a high operational reliability. The motor linkage drive has been developed from the well-proven link system. To the benefit of our customers we intentionally avoided difficult-to-maintain chain drives. With the new linkage type we are able to master the occurring bending moments on the lamellae, especially with high water levels.

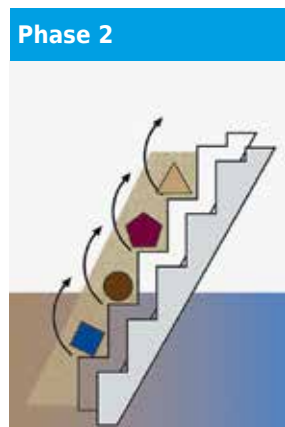
Contacting us means speaking with a partner who has more than 30 years experience with screens, their layout, construction, manufacture, operation and after-sales service and is with thousands of references worldwide the unrivalled market leader in mechanical preliminary wastewater treatment.



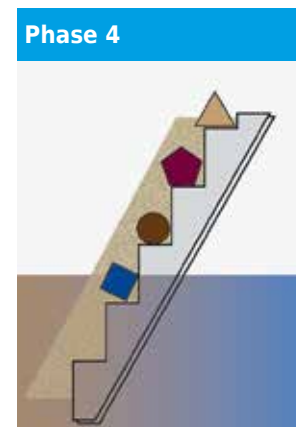
### Function principle:



The arriving screenings collect on the steps and form a carpet.



The complete screenings carpet is lifted and transported by rotation of the moveable lamella unit.



The screenings carpet is laid down on the next step.

### Advantages of the screenings carpet:

The screenings carpet is a structure, the pores of which retain much smaller particles than the actual slot width would allow.

This additional filtration effect significantly improves separation efficiency.

## HUBER Fine Screen STEP SCREEN® SSF installation examples



*HUBER Fine Screen STEP SCREEN® SSF: length 3500 mm, width 1826 mm, 6 mm slot width, 50° installation angle. High capacity as the flow passes the screen surface only once.*



*HUBER Fine Screen STEP SCREEN® SSF with HUBER Wash Press WAP® for optimal separation and dewatering results. Acid treated in a pickling bath for corrosion protection.*



*HUBER Fine Screen STEP SCREEN® SSF combined with HUBER Wash Press WAP® for intensive screenings washing. Totally enclosed, odour-free design.*



*HUBER Fine Screen STEP SCREEN® SSF: very high operational stability and reliable operation without impairment by grit, gravel and stones due to the special bottom step design for lifting of screenings at bottom level.*



*HUBER Fine Screen STEP SCREEN® SSF application in Russia: pivotable in the channel without having to remove the downstream HUBER Wash Press and HUBER Screw Conveyor.*



*HUBER Fine Screen STEP SCREEN® SSF: high separation efficiency due to the narrow slot width and the produced screenings carpet, self-cleaning effect due to a moveable lamella unit.*

## Benefits

### Functional principle:

- ▶ Lifting of screenings at bottom level
- ▶ Gentle and complete screenings transport due to the counter-current principle

### Retrofitting or new plants:

- ▶ Optimally adjustable to individual hydraulic conditions due to the flexible installation angle

### Flow rate:

- ▶ High capacity; the flow passes the screen surface only once

### Separation efficiency:

- ▶ Very high separation efficiency due to the narrow slot width and the produced screenings carpet

### Cleaning:

- ▶ Self-cleaning effect due to moveable lamellae (no spray water, no brushes)

### Operational stability:

- ▶ Reduced susceptibility to grit, gravel and stones due to the bottom step washing system

### Pivoted screen:

- ▶ Without the need to remove the subsequent wash press or transport unit

### Protection against corrosion:

- ▶ Completely manufactured from stainless steel and acid-treated in a pickling bath

### Experience:

- ▶ Unrivalled for more than 30 years

## Technical data

Discharge height	up to 3.5 m
Channel width:	500 – 2000 mm
Water level:	up to 2.3 m impoundage
Standard slot width:	3 and 6 mm

## Installation examples



Fully enclosed, odour-free HUBER Fine Screen STEP SCREEN® SSF.



Two HUBER Fine Screen STEP SCREEN® SSF units installed in parallel channels.

## HUBER SE

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