

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

➤➤ HUBER Fine Screen STEP SCREEN® SSF:

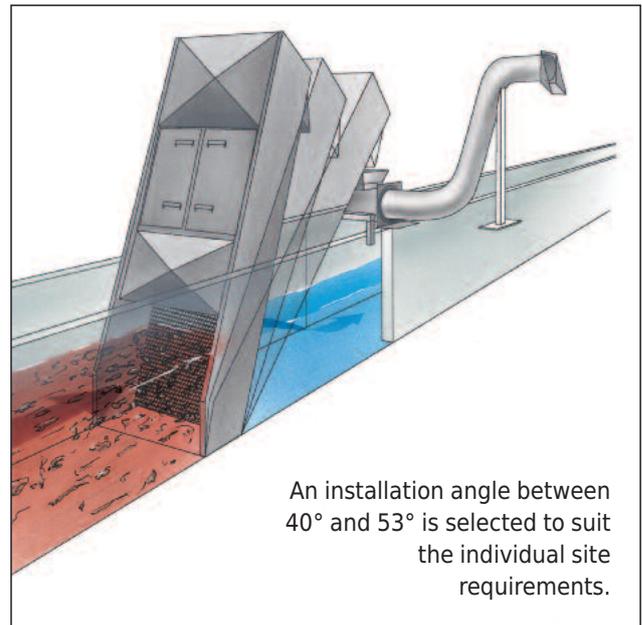
The variable installation angle ensures

- 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.

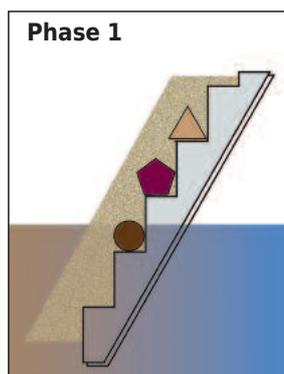
The motor linkage drive has been developed from the well-proven link system. To the benefit of our customers we intentionally avoided difficult-to-maintain chain drives. With the new linkage type we are able to master the occurring bending moments on the lamellae, especially with high water levels.

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.

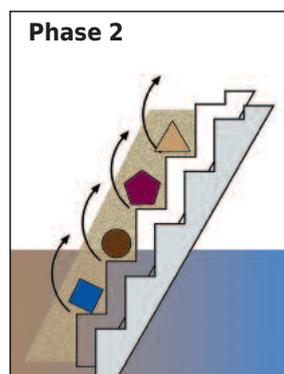


An installation angle between 40° and 53° is selected to suit the individual site requirements.

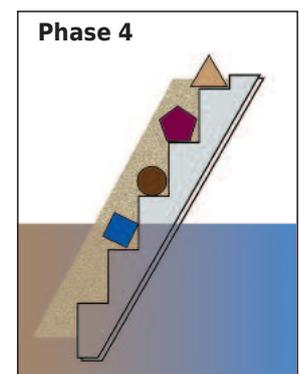
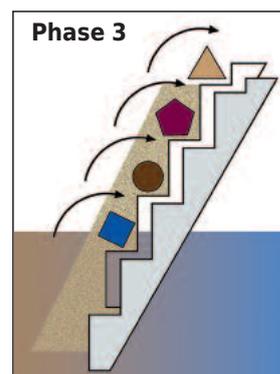
➤➤ Function principle:



Phase 1
The arriving screenings collect on the steps and form a carpet.



Phase 2
The complete screenings carpet is lifted and transported by rotation of the moveable lamella unit.



Phase 4
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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