SCHREIBER

CleanScreens

MC Fine Screen

Partnership with Wa-Tech
Wasser & Technologie
Water & Technology

The MC Fine Screen is a traveling band, deep channel fine screen.

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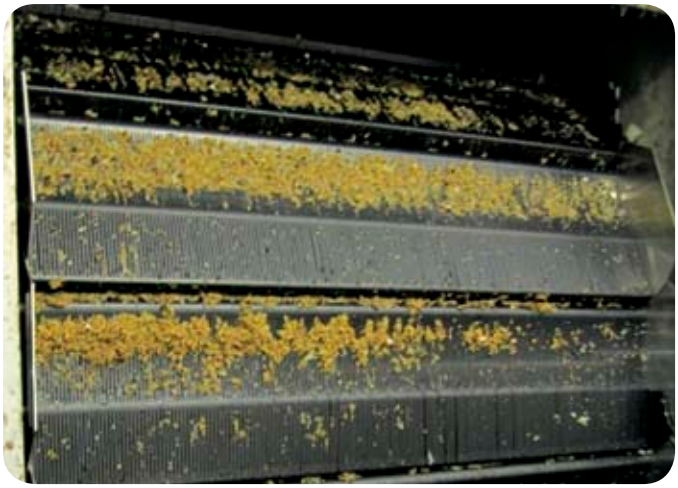
The ***MC Fine Screen*** is a traveling band screen designed to operate in applications where screenings are taken out of fluids (wastewater treatment plants, pumping stations,food processing plants and pulp and paper plants).

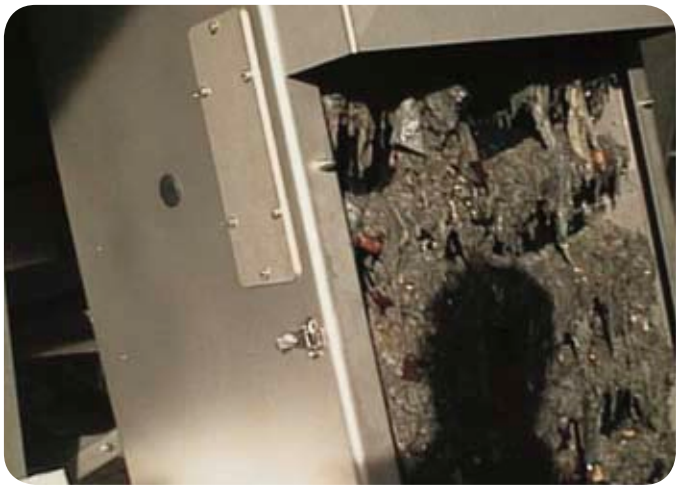
The **Patented Block Design** allows for a hook on each filter element or in any combination. All screenings which are bigger than the slot width will be taken out reliably. The machine can be built with a slot width from 1.0 mm to 40.0 mm, a discharge height up to 15 m and a width up to 4.2 m without the use of a center chain.

The I**ndividual Filter Elements** are mounted on two support shafts that make up separate blocks. Each block is mounted onto the drive chain without any interconnection to an adjacent block. Each block is easily removed from the machine yet still allows the screen to be operated. Therefore, it's not necessary for the screen to be taken out of service, while servicing screening elements.

The **Drive Chains** for the filter blocks are heavy duty. There are two chains (DIN 8165), one on each side of the filter screen and each chain is made from double sided links and are standard on every fine screen.

Due to the design and plain construction, the fine screen is easily inspected and maintained. All maintenance and repairs can be carried out without any special training or special tools. All drive equipment and bearings are located on the upper side (out of the channel) of the screen. The Filter Belt Design does not have adjacent filter elements that contact each other thereby minimizing wear.





EASY BLOCK REPLACEMENT OR CHANGE OF SLOT WIDTH

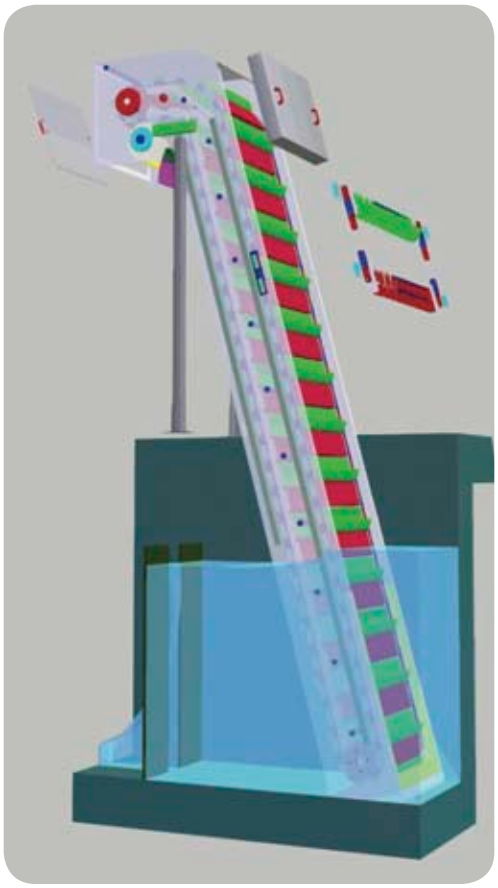
Remove the side covers on the upper side of the screen.

Remove the securing bolts (2 on each side).

Lift the block element out. No interconnection with other blocks.

FEATURES

- Easy block replacement
- Easy adaption of the slot width
- No bearings in the channel
- Heavy duty drive chains
- Easy maintenance and inspection by plant personnel
- No special tools required
- Element design minimizes wear
- Discharge of the screenings by gravity
- Slot spacing to 1mm
- Widths up to 14 feet
- Depths over 50 feet
- Units can be custom configured per the customer's requirements
- Not much distance between the machines needed
- Easy to maintain and inspect



BLOCK DESIGN

Block elements are molded ABS with SS carrier tubes and end plates.

Units are completely asssembled then bolted into place.

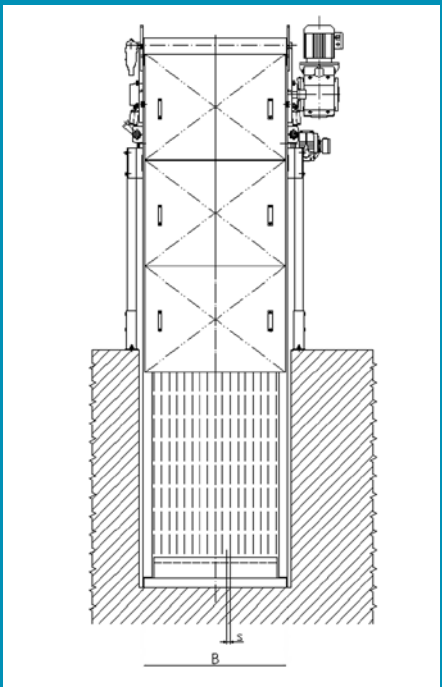
Units can be custom configured per customer's requirements.

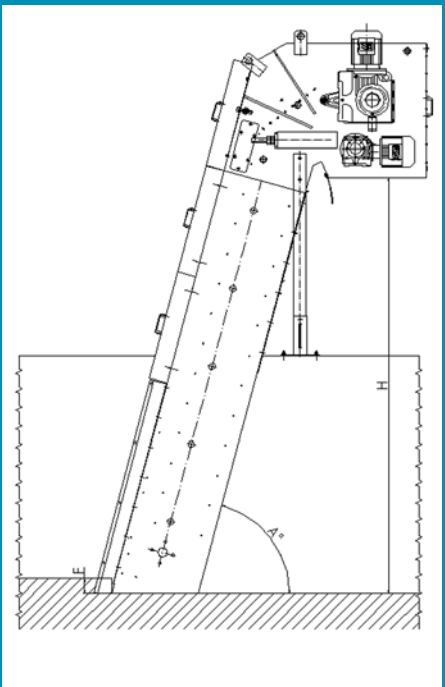
Two differenct block elements - straight and hooked. The hooked elements pick up larger pieces of debris and can be spaced as required.

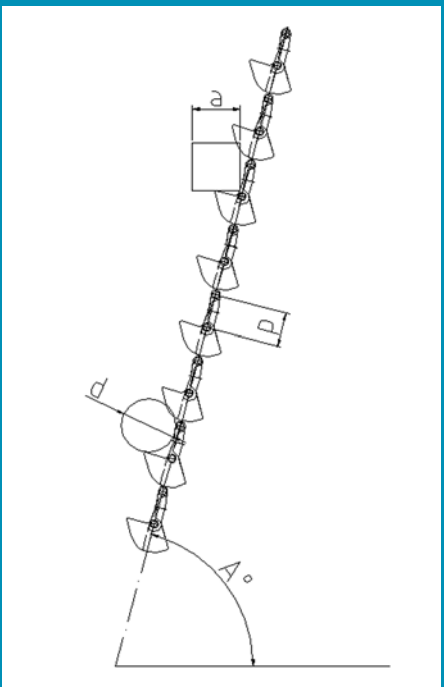
Spacing between the hook sections is the same as between the screening elements.

Elements are interchangable - they are the same length, width and thickness.

TECHNICAL DRAWINGS







TECHNICAL DATA

Type	MC 56-100	MC 112-125	MC 224-175
Chamber Width B (mm)	300 - 2,000	1,500 - 3,500	2,500 - 4,200
Discharge Height H (mm)	up to 15,000	up to 15,000	up to 15,000
Slot width S (mm)	0.5 - 40.0	0.5 - 40.0	0.5 - 40.0
Angle A (°)	75-85	75-85	75-85
Bottom recess F (mm)	100	120	180

Material of frame	Stainless Steel	1,4301	(AISI 304)
	Stainless Steel	1,4571	(AISI 316TI)
Material filter belt chain	Stainless Steel	1,4301	(AISI 304)
	Stainless Steel	1,4571	(AISI 316TI)
Drive sprckets, shafts, etc.	Stainless Steel	1,4301	(AISI 304)
	Stainless Steel	1,4571	(AISI 316TI)
Material of filter element	Plastic type ABS		
	Plastic type PPS		
	Plastic type PVDT		

Angle	75°			85°		
	d	a	p	d	a	p
MC 56 -100	160	140	100	150	130	100
MC 112 - 125	210	180	125	190	165	125
MC 224 - 175	270	240	175	255	225	175

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