BORMET

FINE SCREEN MC

Spaans Babcock

Fine screen

The BORMET Fine Screen is a traveling, continuous filter band type, designed to operate at the headworks of municipal wastewater treatment facilities.
The gap width of the filter elements can be made to meet the desired minimum particle size removal. It is also suitable for numerous industrial applications ranging from vegetable preparation to pulp and paper mills.

Fine screen with spiralpresse

Design Features

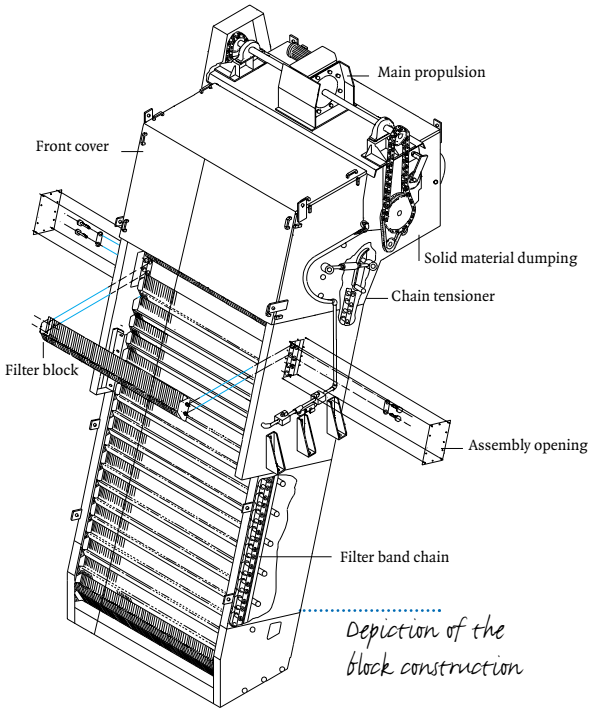
The BORMET Fine Screen main feature revolves around the its patented design. The individual filter elements are mounted on support shafts that make up separate blocks. Each block is mounted onto the drive chains without any interconnection to an adjacent block. Each block is capable of being removed from the machine yet still allow the screen to be operated. Therefore, it is not necessary for the screen to be out of service or even returned to the factory for repair.

Heavy duty

The drive chains for the filter elements are heavy duty and are manufactured from stainless steel. There are two chains, one on each side of the filter screen and each chain is made from double-sided links and are standard on every BORMET fine screen.

Wear

Each filter block does not interlock or interconnect with the adjacent blocks therefore, no wear occurs between the moving parts. Wear occurs in designs where the adjacent filter elements are interlocked together, as seen in competitive products, where as the screen moves and rotates the individual elements rub together and wear is induced which is greatly amplified by the introduction of sand and grit in the influent. The BORMET design does not have adjacent filter elements that contact each other, thereby eliminating the possibility of wear.

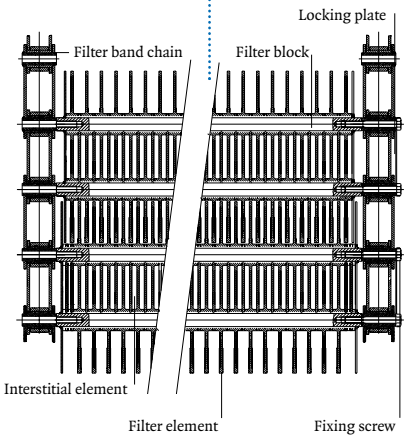


Depiction of the block construction

Easy Maintenance

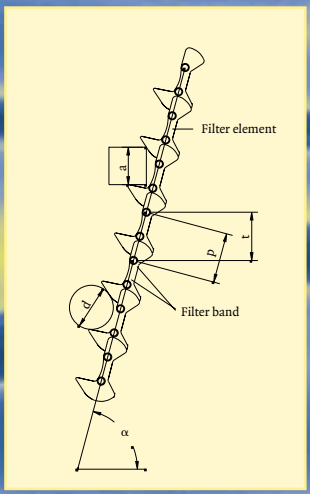
Due to the simplicity of the design and construction, the BORMET fine screen is easily inspected and maintained. All maintenance and repairs can be carried out without any special training or special tools. All of the drive equipment and shaft bearings are located on the external surface of the equipment for easy maintenance accessibility.

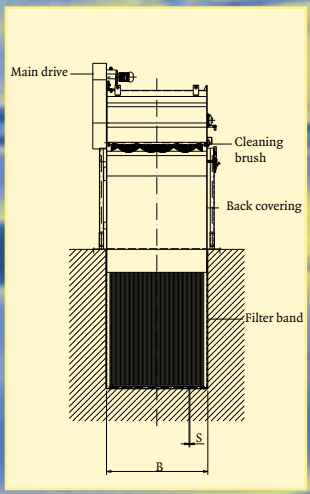
Depiction of the filter band

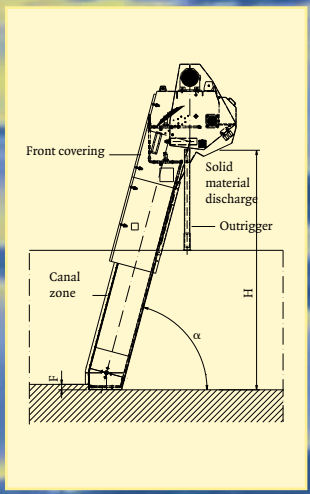


Advantages

- Easy removal of the filter element blocks.
- Removal of a filter block does not take the screen out of service.
- Front removal of the filter blocks means minimal spacing between adjacent screens.
- The BORMET screen can be easily retrofitted to existing channels.
- Large and small particles removed from flow stream easily handled.
- Two speed drive motor.
- Separate drive for cleaning brush.
- Spray header to remove small particles from the filter elements.
- Screenings discharge can be made to suit installation requirements.







Principal dimensions in mm

Type		MC 56	MC 112	MC 224
Chamber width	B	1.000 - 2.400	1.500 - 3.500	2.500 - 4.000
Dumping height	H	12.000	14.000	15.000
Gap	S	0,5 - 25	0,5 - 25	1,0 - 25
Discharge angle	α	(60)75 - 85°	(60)75 - 80°	75 - 85°
Bed jump	F	80	80	150

Dimensions of the discharge solid materials in mm

α	60°				75°				85°			
	d	a	p	t	d	a	p	t	d	a	p	t
MC 56	165	140	160	138,5	145	120	160	154,5	135	110	160	159,3
MC 112	210	180	200	173,2	185	150	200	193,1	175	150	200	199,2
MC 224					200	165	320	309,0	190	165	320	318,8

Spaans Babcock bv

P.O. Box 79
8560 AB Balk
The Netherlands

Meerweg 26
8561 AV Balk
The Netherlands

Tel. +31 (0)514 60 82 82
Fax +31 (0)514 60 44 85

E-Mail
sales@spaansbabcock.nl
Internet
www.spaansbabcock.com

Commercial register
Amsterdam 34004868

Spaans Babcock