



John Meunier Cont-Flo[®]
TYPE ER
Multi-Rake Bar Screen

WATER TECHNOLOGIES

John Meunier® Cont-Flo ER Multi-Rake Bar Screen

Description

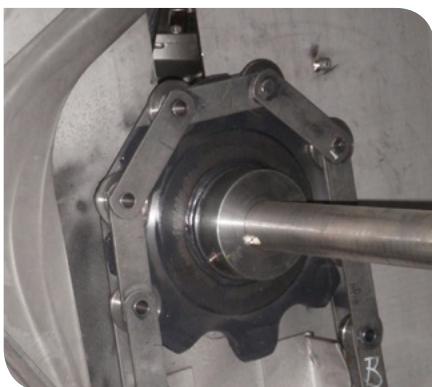
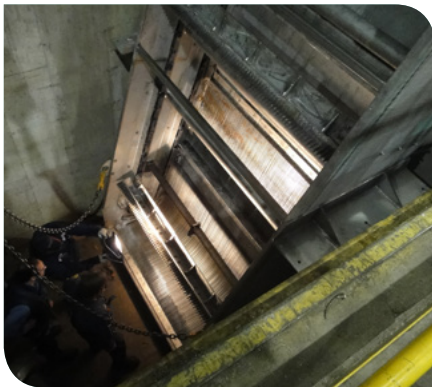
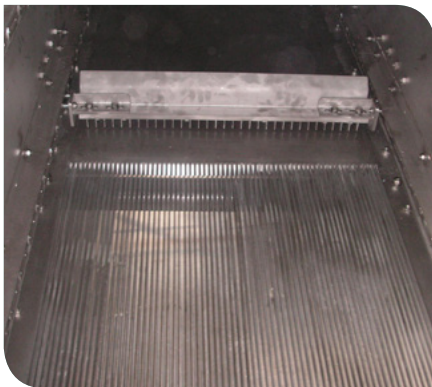
The Cont-Flo Type ER unit is a front clean multi-rake type bar screen. The screen frame is normally set at an angle in the channel and requires only a short length of parallel channel. The bar rack is cleaned by robust rakes fastened to chains located on each side of the screen frame. The number of rakes can be adjusted to provide greater removal of screenings.

Screenings are carried up the screen bars and dead plate to the upper level of the screen where they are scraped off by a wiper onto the discharge point. The raking action is on the

endless chain principle although there are normally no bottom sprockets in the flow. The chains and rakes are driven by a shaft mounted motorised gear unit and protected by a current monitor supplied with the control system.

Other available options:

- Dual speed drive
- Variable frequency drive
- Inch reverse grid obstruction clearance control scheme



Type	Multi-Rake Bar Screen	
Capacity (Flows up to)	225 MGD	850,000 m ³ /d
Spacings (Bar)	¼ to 2-1/2 inches	6 to 60 mm
Setting Angle (Screen)	15° vs. vertical (Nominal *)	
Cleaning Rake	min. of 2 rakes *	
Travel Speed (Rake)	16 – 20 ft/min (Nominal *)	5 - 6 m/min (Nominal *)
Main Material (Frame, Housing, Bars and Rake)	AISI 304 (AISI 316 on request)	
Main shaft	Carbon steel (AISI 304 or AISI 316 available)	
Chain sprocket	Carbon steel or Cast iron *	
Chain	Protected steel (AISI 304 - AISI 316 on request)	
Chain Type	Roller	

* Variable adjusted to suit application
Note: Wash water is not required

Advantages

- Low head loss 15° nominal angle of inclination increases submerged screening area and exposure to the incoming flow.
- Small footprint
- Compact space-saving design
- Low headroom requirement
- Rapid cleaning cycle available



Benefits

- High quality and reliability at low costs
- Easy installation
- Retrofit capability into existing channels
- Enclosed for odour control

Proven performance

The screen performance impacts the overall operation and maintenance of the subsequent treatment processes. With a 30 year track record, this multi-rake screen is a proven reliable component of John Meunier pretreatment products.

Applications

- Municipal & Industrial waste water
- First stage screenings removal prior to MBR
- Storm or Sea Outfall discharge



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