

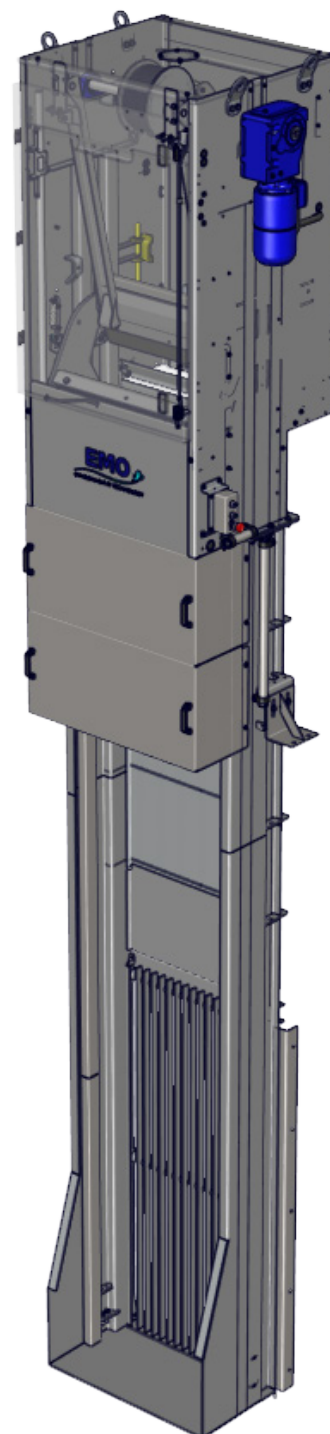


The **DCV bar screen** is a mechanical fully automatic screen used for liquid/solid separation in the pretreatment stage of wastewater treatment plants, pumping station ...



ADVANTAGES

- Smart, sturdy & safe design
- Low maintenance & small space constraints
- Material : stainless steel 304L (available in stainless steel 316L)
- Automatic operation
- No mechanical parts in the water
- No maintenance operation in the channel





OPERATING PRINCIPLE

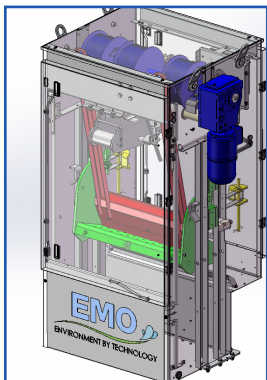
This screen is operated by a single cable driven by one gearmotor. It starts and stops according to the effluent upstream level (level sensor) or by timer clock.

When starting, the rake leaves its upper position to move downwards to the bottom of the screen. The cable unrolls from the drum. When reaching the bottom of the channel, the rake stops.

When the slack cable detection device is actuated (inductive sensor), the cable drive motor direction is inverted in order to lift back the rake.

Rake closes and starts moving upwards, carrying the waste trapped on the grid to the point of discharge. Waste screenings will then fall down either into a container, a screw conveyor or a screw compactor for transport.

The operating cycle will start again according to preset settings.



100%
automatic



Descent of the rake
(opened position)



Waste lifting
(closed position)



SELECTION TABLE

Déscription	Dimensions
Frame width	from 480 to 1080 mm
Discharge height from operation floor channel depth	850 mm minimum
Angle of installation	90°
Fineness of screening	8 mm minimum
Grid height	500 to 8000 mm

EMO sas,
4 rue Lépine – PA La Richardière, BP 53209, 35530 Noyal sur Vilaine, France
+ 33 (0)2 99 86 02 03 - emo@emo-france.com

www.emo-france.com

Certification ISO9001 - ISO14001



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