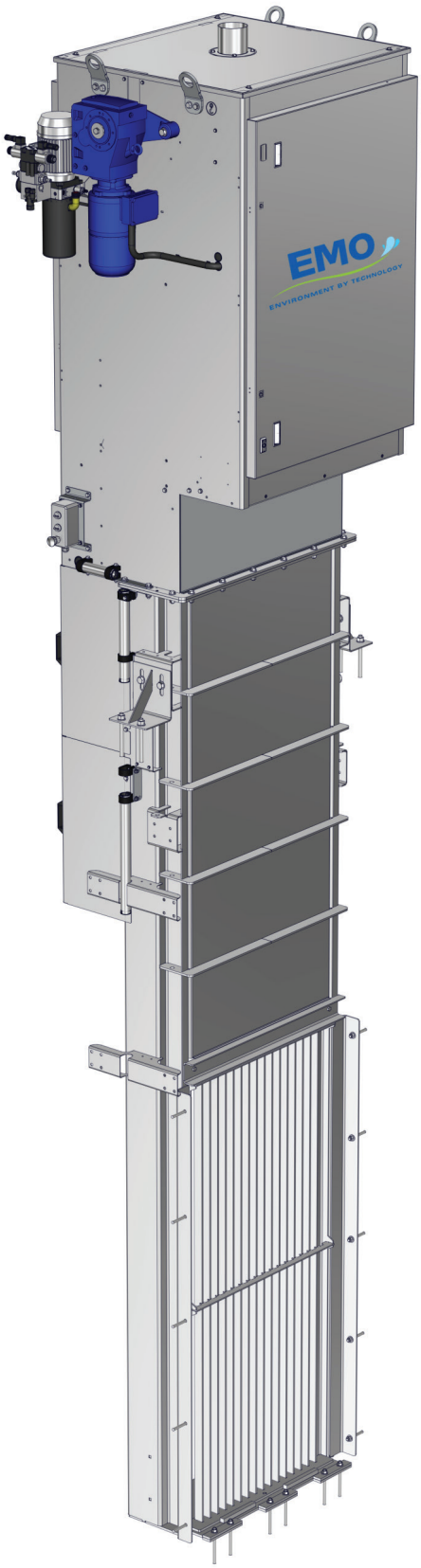
EMO
ENVIRONMENT BY TECHNOLOGY

DCV-R

Three cable bar screen

The DCV-R range of screens is a heavy design which removes coarse suspended solids from waste water. This kind of screens can be used for pumping and lifting stations (irrigation, flood control, rain sewerage network), water intakes (cooling water for power plants and refineries), hydro power plants, municipal waste water treatment plants, drinking water plants and industrial water processing.



ADVANTAGES

- No critical mechanical parts in the water
- Rake can stop and open at any position on the downwards movment (big advantage in case of storm, flood conditions)
- Silent - No noise pollution
- High lifting capacity per raking
- Low power consumption
- Quick and easy maintenance (access, operations)





EMOPRD01335-DPR00-C-EN

Information: the technical data announced are not contractual and may change at any time.

OPERATING PRINCIPLE

The DCV-R bar screen is fitted with 3 cables : one on each side for the upwards and downwards movement of the rake, and one central cable for the closing and opening of the rake. The cables roll and unroll on multigroove drums to allow longer life time of the cables.

When a sufficient quantity of screenings has accumulated on the screen, an automatic sequence starts: the actuator (electric, hydraulic or pneumatic, depending on the chosen configuration) lifts the central cable, causing the opening of the rake, after which it descends to the grid.

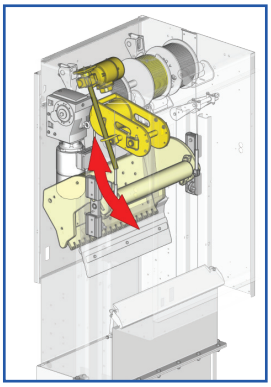
Once the rake has reached the bottom of the channel, the side cables continue to unroll until they activate a cable slack sensor. This signal closes the rake: the connecting rod lowers the central cable, thereby closing the rake.

The closed rake then scrapes the accumulated screenings from the grid and lifts them up to the top of the screen. There, the ejector discharges them into a container, a conveyor or a compacting system.

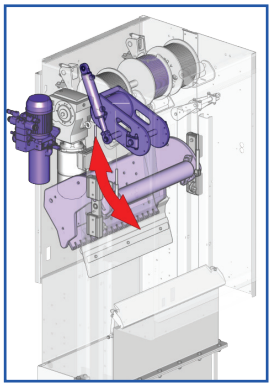


Three possible rake opening/closing systems

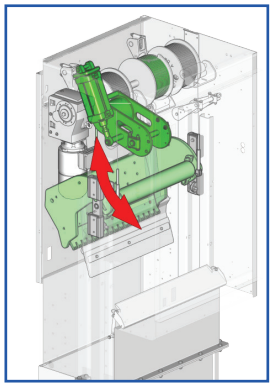
Electrical



Hydraulic



Pneumatic



SELECTION TABLE

Description	Dimensions (mm)
Frame width	from 780 to 2080 mm
Discharge height from operation floor channel depth	850 mm minimum
Angle of installation	90°
Fineness of screening	8 mm minimum
Grid height	from 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

A company of SEMOSIA GROUP