

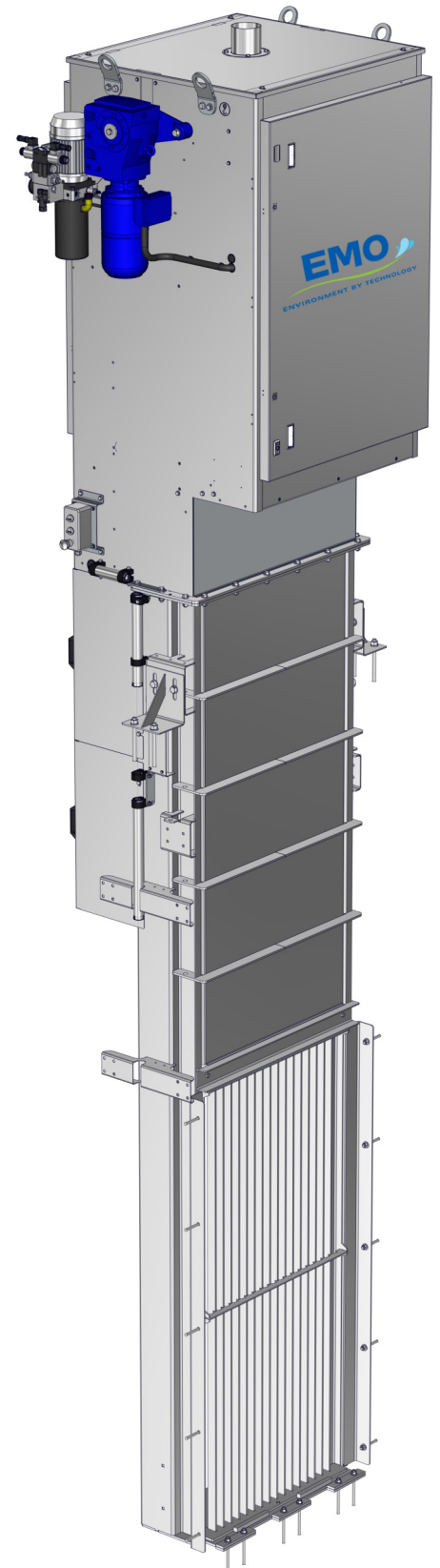


The **DCV-R** range of screens is a heavy design which removes coarse suspended solids from waste water. This kind of screens can be used for pumping and lifting stations (irrigation, flood control, rain sewerage network), water intakes (cooling water for power plants and refineries), hydro power plants,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





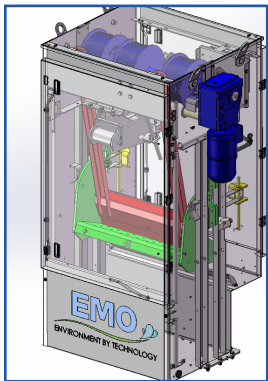
OPERATING PRINCIPLE

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.

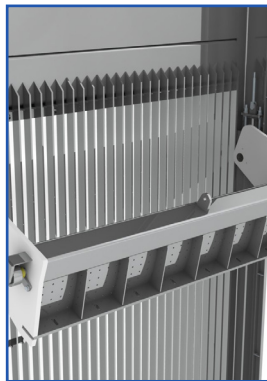
In the home position, the rake opens and starts to move downwards on the guiding rails. When the slack cable sensor is actuated, the rake closes to penetrate inside the bars and catch the screenings.

Screenings are lifted inside the bucket, created by the rake, the rake holder and sliding against the dead plate (or concrete wall). When reaching the top, the screenings are discharged by means of mechanical ejector and fall down directly into container or conveying system.

For an efficient operation and screening removal, the water speed through the screen should not exceed 1 m/s.



100% automatic



Descent of the rake (opened position)



Waste lifting (closed position)



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