EMO
ENVIRONMENT BY TECHNOLOGY

DCV-T

Three cable bar screen - heavy duty

The DCV-T range of screens is a heavy duty 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

- Poweful hydraulic system to actuate the rake closing and the screening waste ejection
- No critical mechanical parts in the water
- Rake can stop and open at any position on the downward movment (big advantage in case of storm, flood conditions)
- Silent - No noise pollution
- Very high lifting capacity (up to one ton solids per raking)
- Low power consumption
- Quick and easy maintenance (access, operations)



EMOPRD01340-DPR00-C-EN

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

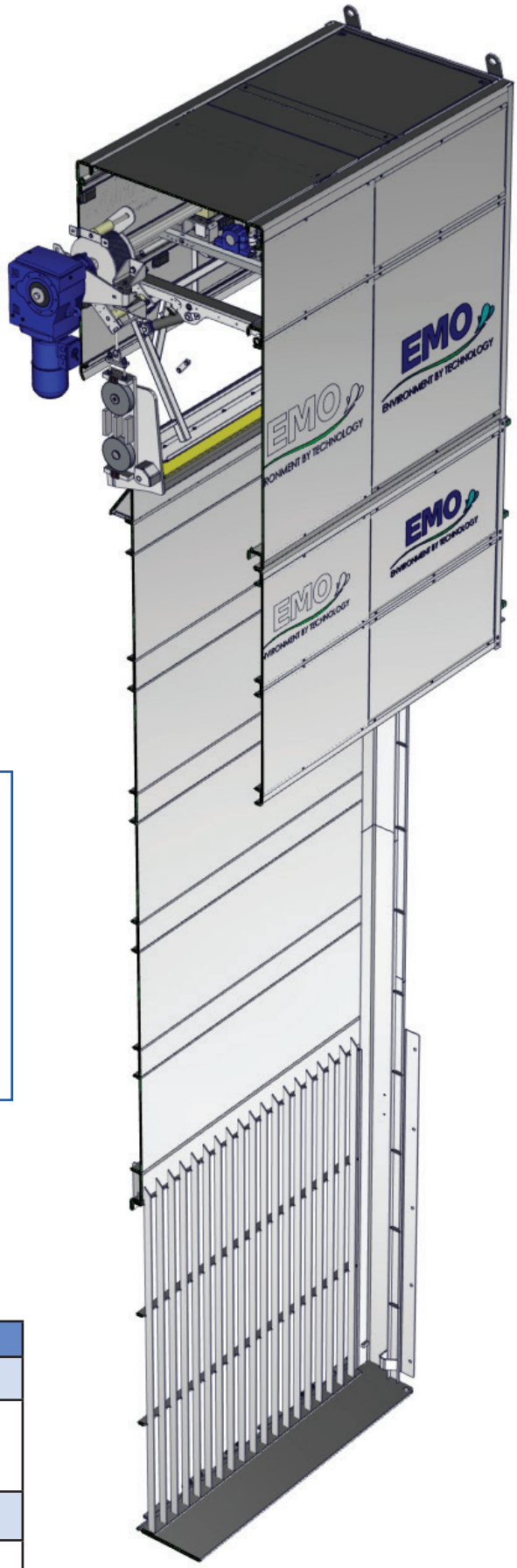
OPERATING PRINCIPLE

The DCV-T 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.

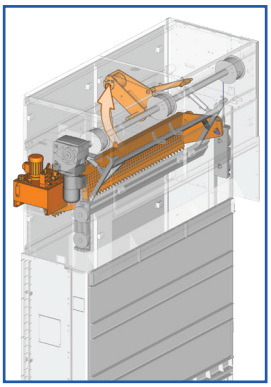
Once the rake has reached the bottom of the channel, the side cables continue to unroll until they activate a cable slack sensor. This signal closes the rake: the connecting rod lowers the central cable, thereby closing the rake

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

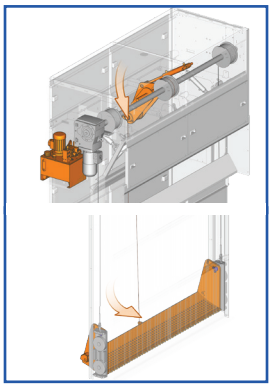


Hydraulic opening/closing system, 100% automated

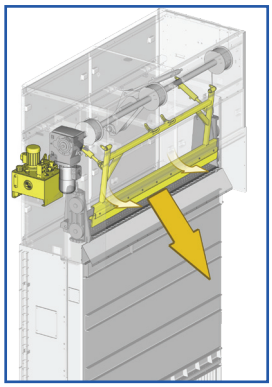
Opening system



Closing system



Ejector



SELECTION TABLE

Description	Dimensions
Frame width	from 1360 to 3060 mm
Discharge height from operation floor channel depth	1000 mm minimum
Angle of installation	90°
Fineness of screening	10 mm minimum
Grid height	from 500 up to 8000 mm

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