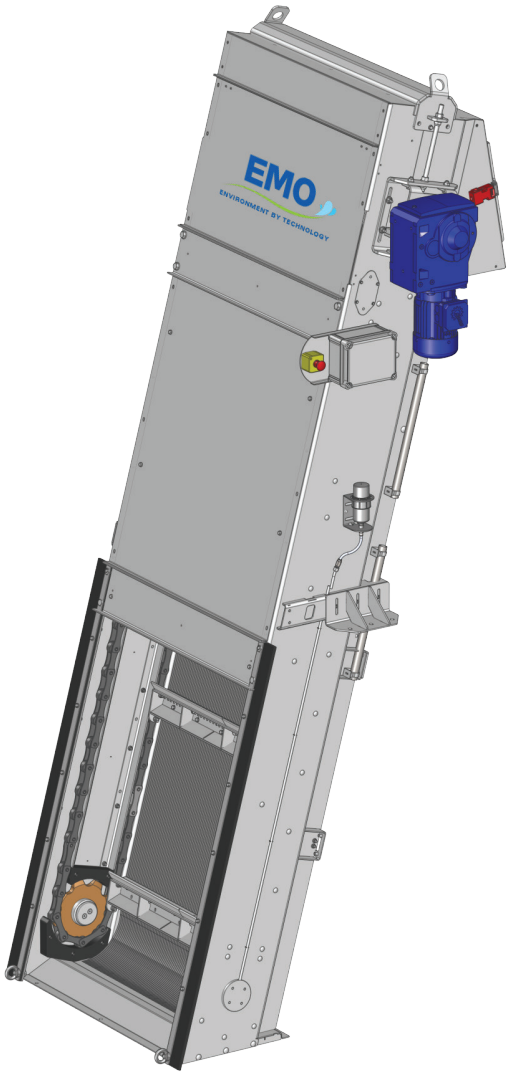
EMO
ENVIRONMENT BY TECHNOLOGY

AQUARAKE DIM

Inclined multirake bar screen

This kind of screen can be used for many applications: pumping and filtering stations (irrigation, flood control, rain sewerage network), municipal treatment plant, drinking water plants, water intakes (cooling water for hydro power plants and refineries), industrial water processes and wastewater treatment plants.

AQUARAKE DIM with stainless steel gears and high resistance bearings



ADVANTAGES

- For channels wider than 1 metre
- Mechanical assembled curved bars for better waste collection at the bottom of the screen
- Continuous self cleaning of the grid
- From 50 mm down to 6 mm bar spacing (can be used as a coarse screen as well as a fine screen)
- High hydraulic capacity: flow rate up to 11,000 m³/h
- Option: sloted grid or perforated plate for bar spacing from 1 to 5 mm







AQUAPRD00160-DPR00-A-EN

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

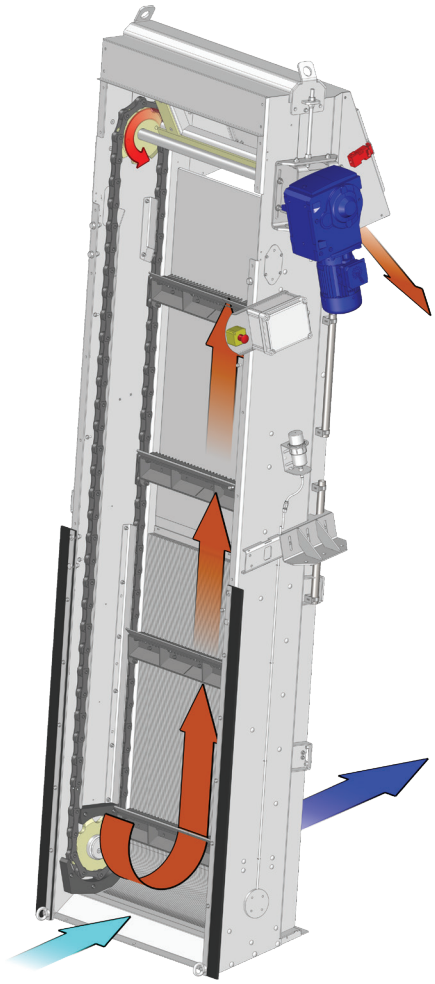
OPERATING PRINCIPLE

The AQUARAKE DIM bar screen is an automatic continuous type bar screen where an assembly of rakes are driven by a double stainless steel chain system (one on each side of the bar screen).

The chains drive shaft is operated by a single gear motor. The automatic screen starts and stops according to upstream effluent level (level sensor) or by clock timer.

The waste trapped against the bars is caught by the multiple rake's teeth and lifted up to the discharge point. A back plate prevents the debris of falling back into the wastewater down the grid.

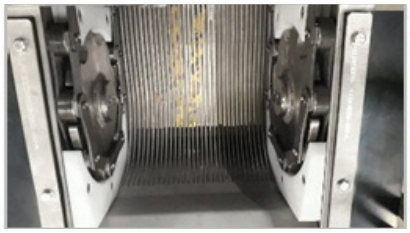
The rakes move upwards and pass the waste ejector. The ejector pushes the screenings from the rake and deposit out away from the screen frame into a conveyor, compactor or washing compactor.



SELECTION TABLE

AQUARAKE DIM

Rotating parts at the bottom of the screen.
The chains are driven by movable sprockets mounted on a treated stainless steel shaft (reinforced hardness)







Description	
Type	DIM
Discharge height	1.50 à 20 m
Channel width	400 to 2000 mm
Screening mesh *	6 to 50 mm
Inclination	60° to75°

* standard with bar rake, bar spacing from 1 to 5 mm upon request with sloted grid or perforated plate

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