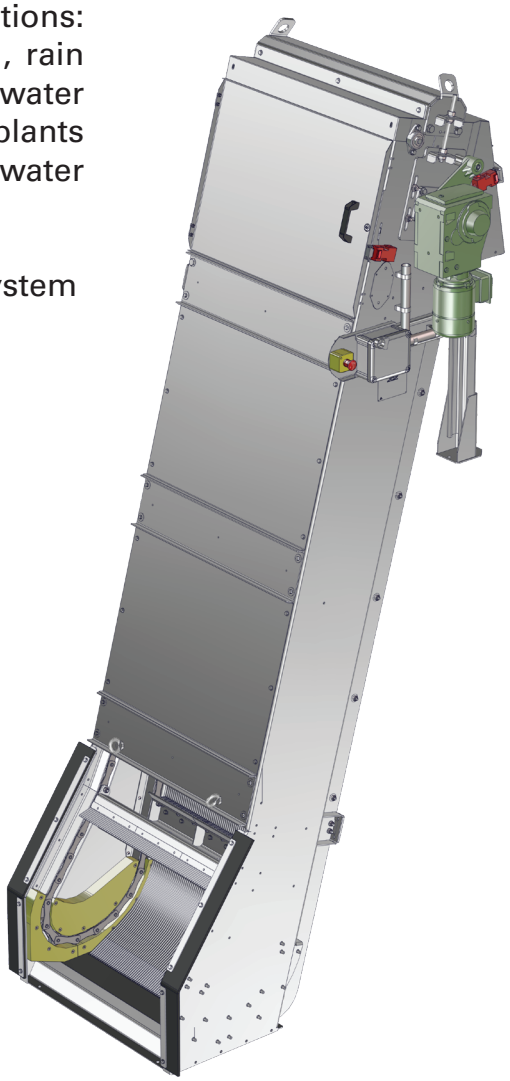
AQUARAKE DIXS-DIXM

Inclined multirake bar screen

The AQUARAKE is an inclined continuous bar screen with fixed bar rack and multiple rakes driven by chains.

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 DIXS/DIXM with a reinforced HDPE guide system



ADVANTAGES

- Mechanical assembled curved bars for better waste collection at the bottom of the screen
- Continuous self cleaning of the grid
- Low maintenance
- Low energy consumption (low power single motor)
- Sturdy design
- 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



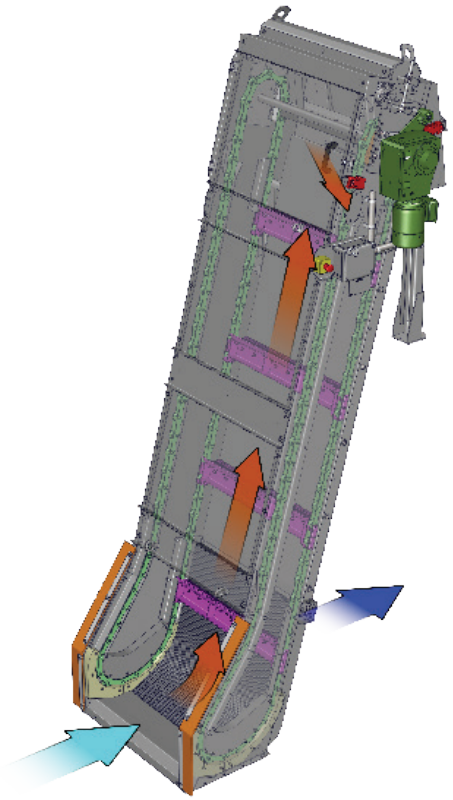




AQUAPRD00150-DPR00-D-EN

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

OPERATING PRINCIPLE



The AQUARAKE DIXS/DIXM 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.

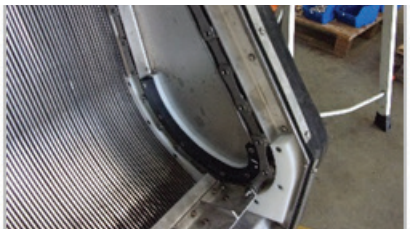
The rakes move upwards and pass the waste ejector. The ejector pushes the screenings from the rake and deposit out away from the screen frame into a conveyor, compactor or washing compactor.

SELECTION TABLE

AQUARAKE DIXS/DIXM

No rotating part at the bottom of the screen.
The chains are guided by reinforced HDPE guides.







Description		
Type	DIXS	DIXM
Discharge height	from 1 to 5 m	from 1 to 20 m
Channel width	from 300 to 500 mm	from 400 to 1000 mm
Screening mesh *	from 6 to 50 mm	from 6 to 50 mm
Inclination	60° to 75°	60° to 75°

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

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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