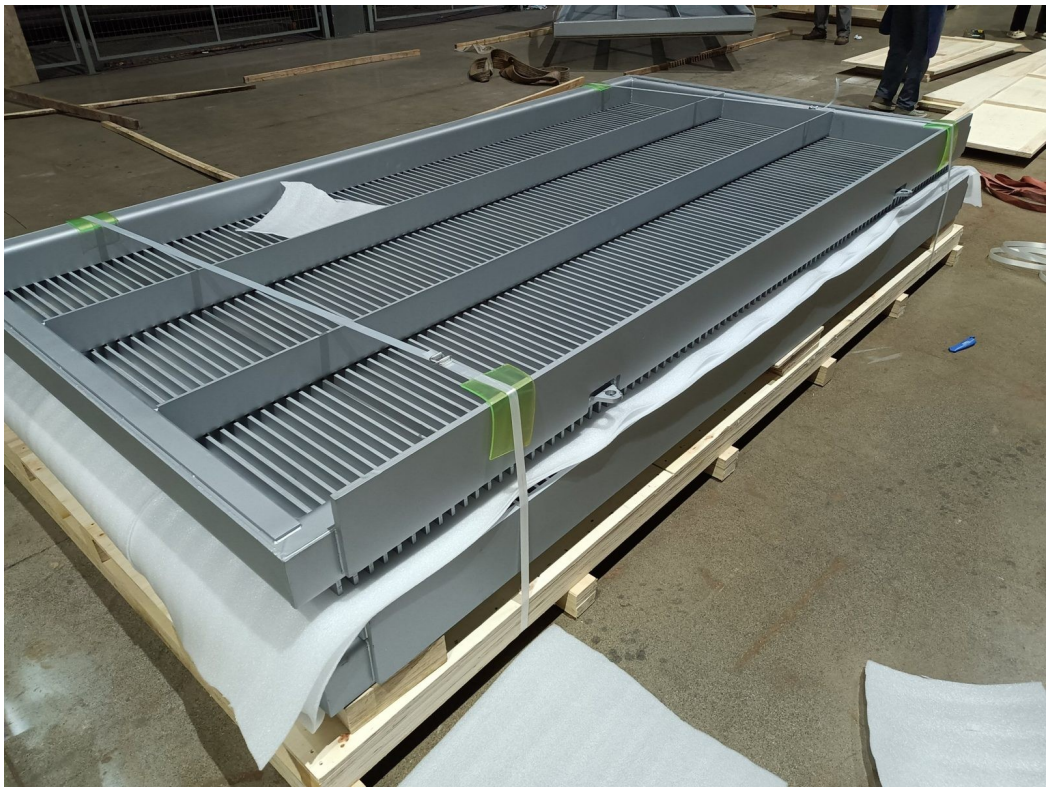
ROCKERHILL

ROCKERHILL GLOBAL LIMITED · WATER INTAKE SOLUTIONS

Cooling Water Intake Screen

Traveling Water Screen · Traveling Band Screen · Bar Screen

Reliable debris removal for seawater, river and cooling water intakes. Rockerhill engineers and supplies cooling water intake screens, traveling water screens and traveling band screens that protect pumps, condensers, heat exchangers and RO membranes.



Stainless steel intake screen panel, ready for export shipment

Product Overview

A cooling water intake screen is the first line of defence for any plant drawing water from the sea, a river or a reservoir. It removes fish, seaweed, shells, plastics and floating debris before they can block pumps, foul condensers or damage downstream treatment such as seawater reverse osmosis (SWRO).

- **Traveling water screen:** continuous-duty mechanical screening with automatic debris removal.
- **Traveling band screen:** through-flow band design with mesh panels, high-pressure spray wash and debris trough.
- **Bar screen:** coarse and fine bar racks, manual or mechanically raked, as primary protection.
- **Complete package:** screen, drive, wash water pumps, control panel and installation guidance.

Why Rockerhill

Feature	Benefit
Corrosion-resistant construction	Carbon steel with marine-grade coating, 316L stainless steel or duplex stainless steel for seawater, brackish and fresh water duty.
Custom mesh & bar spacing	Screening openings matched to the protected equipment, from fine band screen mesh to coarse trash-rack bar spacing.
Automatic cleaning	Differential-level controlled operation, spray wash and debris discharge minimise operator attention and downtime.
Heavy-duty drive systems	Robust drive, chains and overload protection designed for continuous service.
Quality & inspection	Controlled welding, dimensional checks, weld inspection and pre-shipment verification, with export-grade crating.
Global project support	Technical proposals, GA drawings, documentation and supervision support for EPC contractors and end users.

Proven Project References

Region	Project	Scope
Mexico	Aquatech	Cooling water intake screens protecting cooling water circuits from marine debris and biological fouling.
Middle East	4,000 m³/h SWRO	Traveling band screen for a seawater reverse osmosis intake, delivering clean feed water to desalination pretreatment.
Singapore	PPLAK	Stainless steel bar screens fabricated to strict quality and inspection requirements.

Product Range

Type	Function	Typical Application
Bar Screen	Coarse removal of large debris, manual or mechanically raked	First-stage protection at intake channels and forebays
Traveling Water Screen	Continuous mechanical screening with automatic debris removal	Power plant and industrial cooling water intakes
Traveling Band Screen	Fine screening with mesh panels and spray wash, through-flow design	Seawater intakes for SWRO desalination and large cooling systems
Wash Water System	High-pressure spray wash pumps and piping	Debris release for all traveling screens

Width, depth, flow capacity, mesh size, materials and drive are configured to each project.

Applications

- **Power plants:** once-through and recirculating cooling water for thermal and combined-cycle plants.
- **Seawater desalination:** SWRO and thermal desalination intake pretreatment.
- **Refineries & petrochemical:** cooling water and process water intakes at coastal and riverside sites.
- **Industrial & municipal:** steel, chemical, LNG terminals, water works and river abstraction.

Built, Inspected and Packed for Export

Screens are fabricated, coated, inspected and crated in export wooden cases for safe delivery to your site.



Export crating prior to shipment

Request a Quotation

To receive a technical and commercial proposal, please send us your design flow, channel width and water depth, operating level range, screening opening, water type, debris loading, material preference and applicable specifications.

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