

LANDY BACK-RAKING SCREEN

DESIGN

The LANDY designed and manufactured back-raking screen is a device constructed from galvanized steel or stainless steel, comprising an adjustable transport chain driving a bar with an attached rake.

This type of screen is predominantly used on smaller pumping stations with intakes up to channel widths of 4 meters and water depth up to 4 meters. As a result it is particularly suitable for single water intakes.

Due to the compact and robust design of this machine almost no maintenance is required. The cleaner is driven by a low power extremely durable drive unit. This drive unit is positioned in such a way that it's easily accessible for inspection and maintenance.

TECHNICAL DETAILS

Depth of intake	: 1600 - 3600 mm
Overall width of intake	: 1500 - 4000 mm
Depth of bar screens	: 75 - 80 - 100 mm
Moving finger bars	: 1 or 2
Finger length	: 150 or 200 mm
Screen	: hot dipped galvanized or ss
Screen bars	: 80 x 15 mm
Deposit height	: 1400 mm above deck
Drive	: conical wheel reductor
Power	: 0,75 - 1,5 kW
Chain	: ss 304, rivetted
Tensioner	: yes (above water)
Bottom bearing	: water lubricated
Emergency stop	: 2
Main switch	: 1 (under cover)

ADVANTAGES

- compact and easy to operate
- low overall height
- low noise
- not affected by frost
- few moving parts
- quick mounting/demounting
- low maintenance
- optional: automatic debris removal

On custom request we can deviate from standard material and dimensions.



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