

MANUAL FINE SCREEN - TECHNICAL DATASHEET



The Manual Fine Screen is a mechanical unit designed to remove fine solids from wastewater and protect downstream equipment. It captures small particles before they reach pumps, pipelines and subsequent treatment stages. The operator cleans the screen manually using a hand rake and maintains the unit with simple and reliable procedures.

TECHNICAL SPECIFICATIONS

Feature	Value / Description
Application	Retention of fine solids, protection of downstream equipment
Material Options	304/316 Stainless Steel, Hot-Dip Galvanized Carbon Steel
Bar Spacing	6 - 20 mm (selectable according to project requirements)
Installation Angle	55° - 90° (adjusted to channel geometry)
Cleaning Method	Manual cleaning with hand rake
Screenings Handling	Removable screenings basket / hopper
Channel Type	Rectangular or trapezoidal concrete channels

WORKING PRINCIPLE

As wastewater enters the channel, the Manual Fine Screen captures fine solids on the bar rack. The operator regularly rakes the accumulated screenings and transfers them into the removable basket. The basket can easily be lifted and emptied. The system operates without electrical power and extends the service life of downstream units.

ADVANTAGES

- Efficient removal of fine solids
- No power consumption
- Simple and low-maintenance design
- Long service life with corrosion-resistant materials
- Flexible installation for different channel geometries

APPLICATIONS

- Municipal wastewater treatment plants
- Industrial wastewater lines
- Pump and lift stations
- Inlet structures and collection channels