

MANUAL COARSE SCREEN - TECHNICAL DATASHEET



The Manual Coarse Screen is a durable and economical pretreatment unit used in wastewater inlet channels to retain large solid materials. By removing stones, wood, plastics and similar coarse objects, it protects fine screens, pumps and downstream equipment.

Technical Specifications

Feature	Value / Description
Application	Retention of coarse solids at channel entry
Material Options	304/316 Stainless Steel, Hot-Dip Galvanized, Carbon Steel
Bar Spacing	10-50 mm
Installation Angle	55°-90°
Cleaning Method	Manual with hand rake
Basket Type	Removable perforated basket
Channel Type	Rectangular or trapezoidal channels

Working Principle

As wastewater enters the channel, coarse solids are captured by the bar rack. The operator periodically removes materials with a hand rake and empties the basket.

Advantages

- No energy consumption
- Low maintenance cost
- Long service life
- Easy basket removal
- Corrosion-resistant

Applications

- Municipal wastewater treatment plants
- Industrial pretreatment channels
- Pump stations
- Stormwater networks