TIMEX
Filtration & Water Syste

Mechanical Bar Screens

max. flow velocity	filtration degrees	water for cleaning	minimum operating pressure
up to **2 m/sec**	**10 - 100 mm**	there is no need	Atmospheric Pressure

Low Cost
High Efficiency

features:

- Small footprint
- Robust Design, low maintenance requirement
- Low capital cost
- Can be easily installed in the channel of which widths varies 0,5 - 2,5 m.
- Silent operation
- Minimised abrasions on the motor and gearbox by one directional movement of the drive mechanism so increased life span of the equipment
- Protected by mechanical torque switch for all kind of overloads
- Fully automated control based on timer or level difference before and after screen

Mechanical Bar Screens

General

TIMEX Mechanical Bar Screens are optimally suitable for pumping stations, as a first cleaning stage/unit in municipal and industrial wastewater treatment plants and also at the inlet of the power plants. It removes coarse and bulky material by reverse scanning-cleaning mechanism.

General Features

- Filtration degree down to 1 cm
- Up to 4000 mm screen width, 20 m discharged height and 80º installation angle
- Combination of a front and back cleaned screen in a single unit
- Adjustable Optimized Rinsing System with means of both Water Level Difference and Timer to save water
- Low power consumption, hence suitable for working with solar energy
- Available in SS304 Stainless Steel, SS316L Stainless Steel, Super Duplex Stainless Steel or SMO254
- No additional consumables required, such as service water except electric current
- Available with ATEX certificate requirements.

Applications;

- Cooling and Process Water Filtration
  - o Automotive Industry
  - o Chemical Industry
  - o Electronic Industry
  - o Mining Industry
  - o Petrochemical
  - o Pharma & Cosmetic
  - o Plastic Industry
  - o Pulp & Paper
  - o Steel Industry
  - o Textile Industry
  - o Food & Bevereage
  - o High Rise Buildings

  Refineries
  - o Process and Cooling Water Filtration
  - o Auxiliary Facilities

- Waste Water Plants
  - o Water Intake
  - o Effluent Water Filtration
  - o Recycling Water Filtration
  - o Zero Discharge

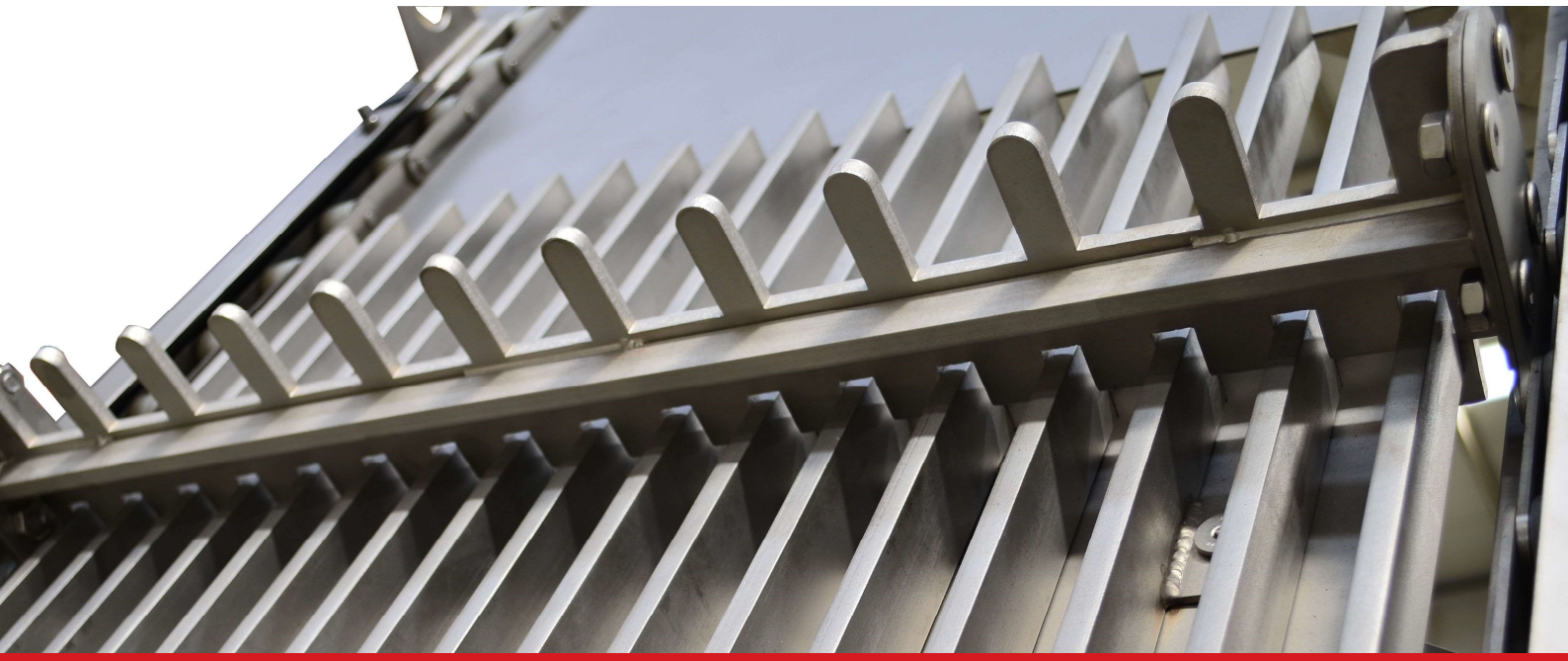
- Power Plants
  - o HEPP- Hydro Electrycity Power Plant
  - o CCPP- Combined Cycle Power Plant
  - o TPP- Thermal Power Plant
  - o NPP- Nucleer Power Plant
  - o GPP- Geothermal Power Plant

- Surface Water Filtration (River, Lake, Open Channel ...)Deselination Plants
  - o Sea Water Intake
  - o Pre Filtration for Ultrafiltration, Nano Filtration and Reverse Osmosis

- Fish Process & Handling
  - o Sea & Fresh Water Intake/Dischrage

- Agricuture Aplications
  - o Water Intakes
  - o Pump Stations

- Water Treatment Plants
  - o Turbidity Remoal
  - o Arsenic, Iron, Manganese and Nitrat Removal



industry
Automotive, Aviation, Ballast treatment, Electronics, Food & Beverage; Mining, Oil & Gas, Petrochemical, Power Generation, Pulp & Paper

municipal
Potable Water, Waste Water, Desalination, Brackish Water, High rise buildings, Pre-filtration to Membranes

irrigation
Agriculture, Golf & Turf, Green Houses

aquaculture
Fish Farming, Recirculating Aquaculture Systems (RAS), Fish Processing Industry

Factory & Head Office

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