

State of art technology by global team of experts

The Apollo Multi Rake Bar Screen is a chain operated bar screen to remove all kind of suspended solid which comes along with flow.

Apollo Multi Rake Bar Screen is installed vertically and the remain partially submerged inside the channel. The debris are collected by chain operated cleaning rakes, when they intermesh with the rake bars. The collected debris are discharged at top during upward motion of rake, each rake is wiped off during descending motion of each cycle.

Drive unit is fitted at top and is controlled through control panel.

Applications

- ▶ Waste water pumping station
- ▶ Municipal and industrial waste water treatment plants.
- ▶ Surface water intake pump house
- ▶ Storm water drain

Design Features

- ▶ All drive mechanism is above the water level
- ▶ Screen can be work on level difference
- ▶ Rigid stainless steel design
- ▶ Low head loss
- ▶ Low maintenance
- ▶ High screening discharge capacity
- ▶ Easy installation

Optional accessories

- ▶ Belt conveyor
- ▶ Screw conveyor with pressing unit



Technical Data

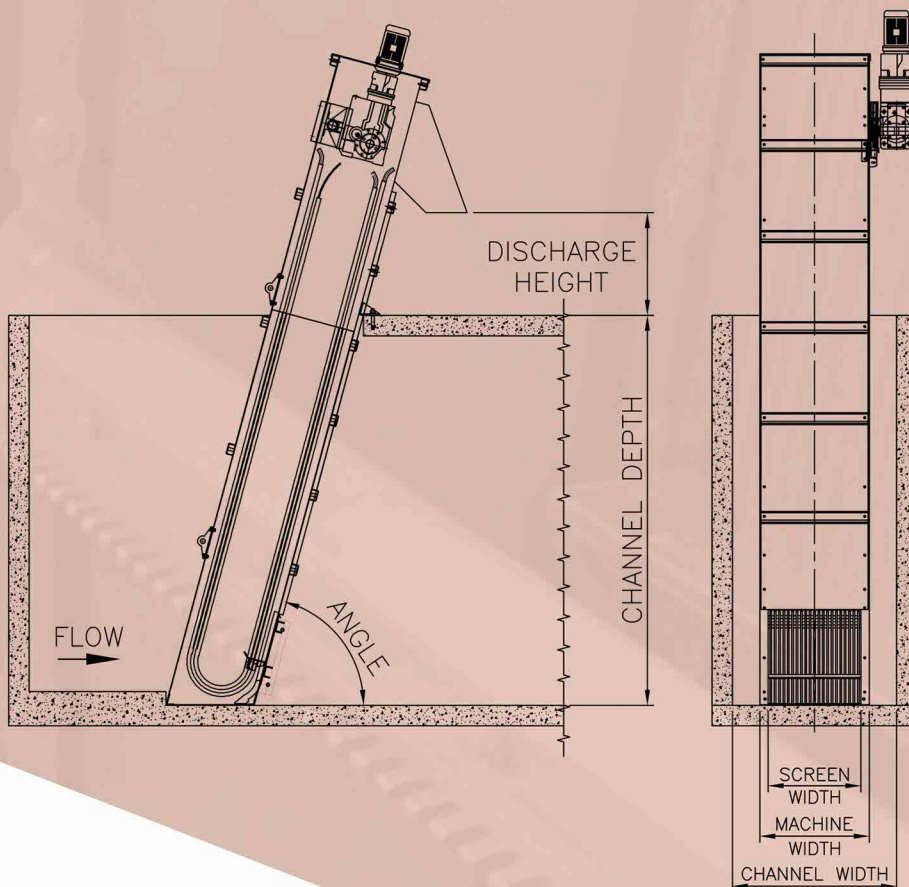
- ▶ Screen channel width: 600mm to 3000mm
 - ▶ Bar spacing: 6mm to 70mm
- ▶ Inclination angle: 70 to 80 degree
 - ▶ Rake travel speed: 4 to 8 m/min
 - ▶ SS 304 Roller Chain
- ▶ Option is available with 'ROPE' operated screen

Apollo screens – A new venture by APOLLO GROUP, A renowned engineering house with strong image in its core business combines its engineering expertise, long term vision and ethical business approach with a global team of experts in design and manufacture of screens for wide range of applications.

Apollo screens unit –The plant & Critical Equipments are designed & manufactured by Apollo group having team of engineers who have hands on experience & technology base for these specialised machines. The plant is equipped with state of art technology based machines to produce finest quality screens with minimal tolerances to achieve excellent product quality.



General Arrangement of Multi Rake Bar Screen



The Multi Rake Bar Screen is installed vertically and remains partially submerged inside the channel. The submerged section in contact with the influent is a system of parallel bars that make the Fixed Bar Screen which retain solids that are greater in size than the spacing between the two bars. Solids retained in the Fixed Bar are extracted by a Raking Mechanism and a discharge scraper discharges the solids above the channel floor level.