

CHAIN SCREEN

- A rigid frame, composed of U-sections with transverse reinforcements. It is a fully welded construction.
- Guiding profiles are welded on the chassis for the wheels.
- The grill consists of a number of parallel bars. For grids up to 20mm bar spacing a hydrodynamic section applied. For more than 20mm the bars are rectangular. They are reinforced to eliminate distortion.
- The rake moves down in open position. In the lower position the rake moves towards to the grate bars. The teeth of the rake penetrate between the bars.
- The solids are moved along the bars; on a guiding plate they are moved to the surface.
- When the rake is in upper position the solids are pushed back with a scraper. All movements are smoothly without shocks or any noise.
- The rake is powered by two rigid chains. The chains are guided by rollers. There are no moving parts under the water level.
- The rake is driven by a hermetically sealed IP55 gear motor.
- In case of overload, the movement of the rake is stopped by means of a torque limiter.
- The screen is built-in vertically or at an angle of 10 to 20° to the vertical.
- The entire screen is secured to the CE regulations.
- The screen is fully automatic. The cleaning cycle can be set with a time clock or with a difference in level measurement.

