

JASH “MULTI - RAKE” SCREEN

APPLICATION:

“Jash Multi Rake” screen is a mechanically cleaned medium / coarse screening equipment used to prevent medium / coarse sized floating wastes from travelling to the pumps located into the wet well / pump chamber of the water and waste water pumping station or to prevent medium / coarse sized floating wastes from travelling further into the water and waste water treatment plants. These screens are ideal for use in pumping stations having channel widths as high as 2 meters (7’) and channel depth of up to 10 meters (33’).

CONSTRUCTION:

“Jash Multi Rake” screen comprises of equally spaced flat bars / tear drop covering the width of the screen and extending to the top of water level at an inclination of 75 - 80°. The bars are followed by a dead plate extending up to the discharge point located above the platform. Multiple rakes are then used to rake the waste trapped on the bars and transfer it to the operating platform.

WORKING:

Upon receiving the signal, the rake located on the upstream side of the screen starts moving carrying the wastes upward. When the rake reaches to the discharge point, the wiper wipes the waste from the rake and discharges the waste on to the inbuilt chute. The waste coming from the chute can either be collected in to the collection bin or on to the conveyor installed across the screen

SALIENT FEATURES:

- Superior bar profile - bars are in tear drop section resulting in to low head loss.
- Good wear resistant and low friction comb - made of special plastic material (UHMWPE) with stainless steel plate base.
- Superior sprockets and chains - stainless steel sprockets and stainless steel chains with Delrin / stainless steel rollers ensure long life.
- Overload protection - equipped with torque switch.
- Minimum welding - avoids distortion during manufacturing there by offering high functional reliability.
- Factory assembled and pre-shipment tested- ensures effectivity of movement.
- Easy and faster erection - the screen to be just lowered in to ready made channel for installation.

SPECIFICATION:

Bar spacing	10 mm to 50 mm (0.4” to 2”), larger spacing on request
Channel width	750 mm to 2,000 mm (30” to 80”)
Channel depth	1,000 mm to 10,000 mm (40” to 400”)
Material of construction	Stainless steel 304, 316, other materials on request



Stainless Steel Chain with Delrin Rollers



Over Torque Tripping Device



Special Bar Profile with UHMWPE Replaceable Rake



“Jash Multi Rake” Screen for 6 MLD Selam STP, Tamilnadu, India