

MULTI-RAKE

BAR SCREEN



The WasteTech Multi-Rake Bar Screen combines fine or coarse screening with high solids capture rates. Its robust construction and overload feature ensure reliable operation.

FEATURES

- Rugged stainless steel construction
- Automatic “jam” reversing
- High hydraulic capacity, low headloss
- Insensitive to grit and stones
- “Maintenance free” bottom bearing
- Dual speed operation
- Trapezoidal Bar Design
- Bar spacing as small as 2 mm (with engaging rakes)



KUSTERS WATER
a division of KUSTERS ZIMA

APPLICATIONS

Municipal sewage treatment plants

Industrial wastewater treatment

CSO screening applications

Wastewater pump stations

Sludge Screening



Bolted Bar Design.

PRINCIPLE OF OPERATION

Wastewater flows through the stainless steel bars while the non-biological solids, such as paper and plastics, are trapped on the screen face. The screenings are removed from the bars by rake arms fixed between two heavy duty roller chains. These rake arms utilize laser cut teeth that precisely engage and clean the bars to a depth of 12 mm. In the event an object becomes lodged in the bars, the overload feature enables the rake arms to reverse and remove the obstruction then continue cleaning the bar rack.

The screenings are conveyed from the bars over a dead plate, where they have sufficient time to drain, and are discharged at the top of the screen into a dumpster, conveyor or compactor. The Multi-Rake Bar Screen is designed to tightly seal to the walls of the channel to prevent any bypass from occurring and, due to the design of the lower frame, a recess in the floor of the channel is not required.

For more information call **864.576.0660**
or visit **kusterswater.com**

DIMENSIONS

Channel widths from 1 to 20 feet

Standard channel depths to 80 feet

Channel depths up to 300 feet available for special applications

Bar spacing from 2 to 100 mm

Standard angles of inclination: 60°, 75°, 80° from horizontal

MATERIAL

Frame: 304 or 316 stainless steel

Tapered Bars: 304 or 316 stainless steel

Roller Chain: 304 or 316 stainless steel

Sprockets and Shafts: 304 or 316 stainless steel

Lower Bearings: Long life ceramic

Drive: Shaft mounted gearbox

Materials for special applications available on request



Deep Channel Installation, over 50m.

