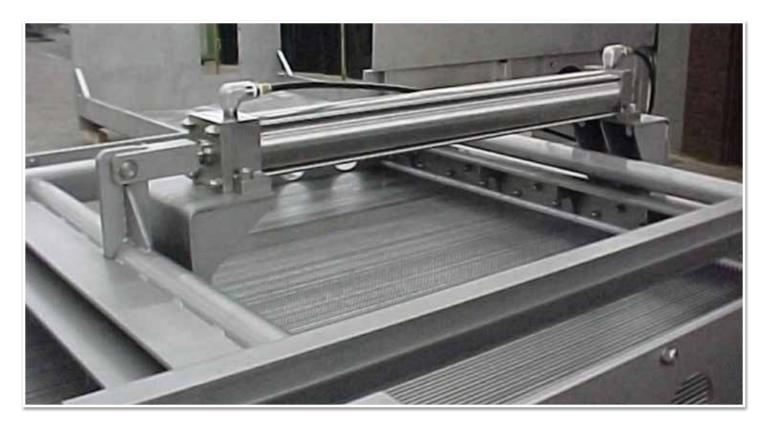
CSO SCREEN



With reinforced screen bar structure and dual-directional screen cleaning the CSO Screen is a low cost, low maintenance solution to pollution of waterways.

FEATURES

Reinforced screen bar structure

Dual-directional screen cleaning

Dual weir overflow

All stainless steel components

Extensive combined sewer experience

American manufactured

Horizontal design

Conservative design

Lower HP requirements

No integral overflow weir

Serviceability







WASTE TECH CSO SCREEN

Regulations require that combined storm overflows are screened to remove floatables and sanitary solids before the excess flow is released to a water course. The Waste Tech CSO screen is designed with 4 mm mechanically cleaned bar spacings to prevent floatables bypassing the screen and retaining the solids which pass on to the wastewater treatment plant. This low cost, low maintenance CSO screen is a guaranteed solution to pollution of our waterways, rivers, canals, streams, and lakes.

SPECIFICATIONS

Raked Bar Screen with 4 to 12 mm spacing

Screen frame and bars manufactured from 304 stainless steel electro-polished

Screen comb manufactured from polypropylene

Flow rate: 400 1/sec/m² (effective screening area)

(10 gallons/sec/ft 2)

Velocity through screen: 0.9 m/sec (3 ft/sec)

Screen drive is via a double acting hydraulic cylinder mounted above the screen, manufactured in 304 stainless steel and chrome plated, with self sealing end seals.

Rod diameter: 25 mm (1.0 inch) Body diameter: 50 mm (2.0 inch)

Directional control is achieved via solenoid operated directional control valves coupled to two pressure switches.

Operation pressure at 735 psi

Pressure relief valve set at 1102 psi

Minimum operating pressure for hydraulic pump at 588 psi

Hydraulic oil is biodegradable synthetic vegetable type

ADVANTAGES AND BENEFITS

Reinforced screen bar structure

No pretensioning — no bar sagging No bar pinching of the tines

Dual-directional screen cleaning

Cleans screen area 6x minute at 10 FPM Solids positively discharged every 24 inches

Dual weir overflow

Reduces healoss Shorter weir requirements

All stainless steel components

(Except cleaning combs of Tivar)

Extensive combined sewer experience

Heavy solids load vs. snowmelt or SSO Core business is water and wastewater

American manufacture

Parts and service locally Locally sourced components

Horizontal design

WTI offers screen openings of 4, 6, 8, 10, & 12 mm

Conservative design

3 FPS velocity on clean water 6 FPS velocity at 50% blinding factor More screen area for the heavy solid loads

Lower HP requirements

Hydraulic cylinder centrally mounted Better mechanical advantage 1.5 HP required to operate

No integral overflow weir

Horizontal screen uses full effective area No grit buildup and excess wear of tines Lubrication not required on horizontal area

Serviceability

Special access walkway not required Can walk on screen with vertical bars

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

