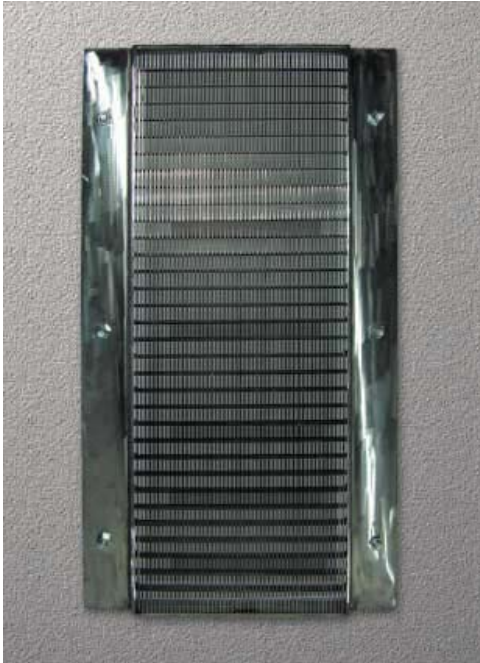


COANDA Detention Screens



Self-Cleaning COANDA detention screens are designed to capture and retain unwanted urban debris, plant material, and sediment within the detention basin facility, thereby removing these unwanted materials from urban runoff and as a prevention of this material entering public waterways. Debris never enters the flow control structure.

We utilize wedge-wire screening devices to protect the orifice plates which regulate flow at the outlet of the detention pond. Debris is trapped at the face of the screen and prevented from entering the orifice. After the storm has passed and the water level subsides, debris impinged against the screen falls by gravity to the ground in front of the screen. Our experience has shown that the wedge-wire screens require little if any cleaning and almost no maintenance. Debris that collects on the face of the screen quickly dries and falls off soon after the storm has passed.

Typical Coanda Detention Screens utilize #93 v-wire with a slot opening of 3.5 mm. Alternatively, finer screens with slot openings down to 0.5 mm can be provided to achieve desired water quality objectives.



The Problem: Soil, roots, grass, and debris have blocked all flow control orifices.



The Solution: The COANDA Self-Cleaning Detention Screen keeps orifices clean.



Regional Detention Basins
Self-Cleaning COANDA Detention Screen prevents plugging in low-flow orifices as small as 1" dia.



FULL CAPTURE COANDA SCREENS WITH *TILTED* WEDGEWIRE TECHNOLOGY

COANDA has
FULL CAPTURE CERTIFICATION
by the California Water Quality Control Board
and specific approvals in other state, county
and local jurisdictions.

Coanda meets Caltrans definition of a
GROSS SOLIDS REMOVAL DEVICE (GSRD).
All products comply with national building codes.

In addition, COANDA screens:

- ✿ Have very high hydraulic capacity
- ✿ Capture nutrients, metals and organic matter with the debris
- ✿ Have self-cleaning screens with easy access for debris removal
- ✿ Have no moving parts
- ✿ Do not clog and will not fail
- ✿ Are maintenance-free 100% stainless steel construction
- ✿ Are designed to provide full treatment at peak flow
- ✿ Remove all debris larger than fine sand including Nurdles



CURB INLETS



CHANNEL SCREENS



PATENTED TILTED WEDGEWIRE TECHNOLOGY

US Patent Nos. 6,705,049, 7,258,785, 7,300,590, 7,584,577, 7,805,890
Other patents pending Nov 2012