

# Watergate ARS

PROVEN STORMWATER TREATMENT TECHNOLOGY



## Overview

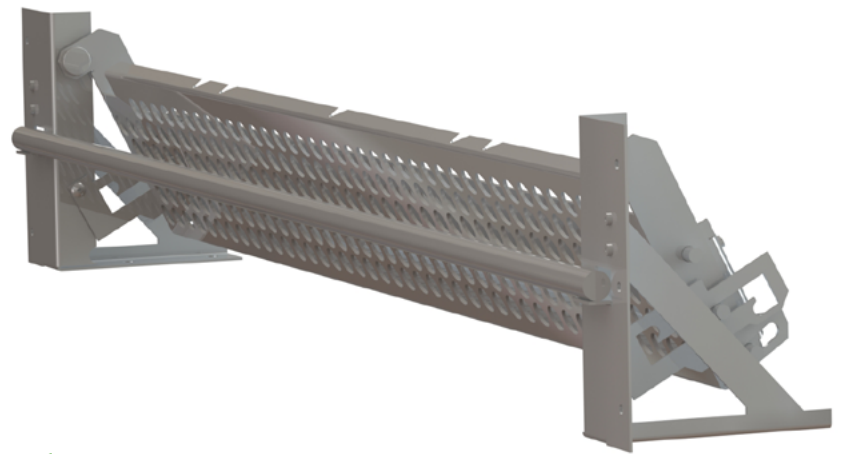
The *Watergate* ARS is a revolutionary automatic retractable curb inlet filtration screen that blocks trash and debris from entering storm drains during dry weather flows and light to moderate rain. During these periods the screen remains closed and locked to allow removal of trash and debris by routine street sweeping operations.

During periods of increased flow and heavy rain, the screen will unlock and open to allow runoff into the storm drain to prevent flooding. When the water flow subsides, the screen will return to the closed and locked position.

The *Watergate* features a patented front-pivot design to bias the screen toward the closed position and provide for more effective closing and locking. The positive closing force vastly reduces the possibility of debris becoming trapped under the screen and preventing it from fully closing and becoming locked.

*The product described is protected under the following US patent: 9,151,033*

**Features the patented 'Front-Pivot Design'  
- For More Effective Closing & Locking -**



## Advantages

- Patented front-pivot design provides a natural positive closing force - Superior to springs, magnets, and counter weights found in traditional units.
- Receptors in the control arms allow the *Watergate* to manually lock open from the street. A simple push upward on the screen returns the unit to normal operation.
- Simplicity of design makes for a more cost-effective solution - Only 5 individual fabricated parts, 8 total
- Routine street sweeping is the only maintenance required
- Built-in 1-inch to 2-inch top overflow

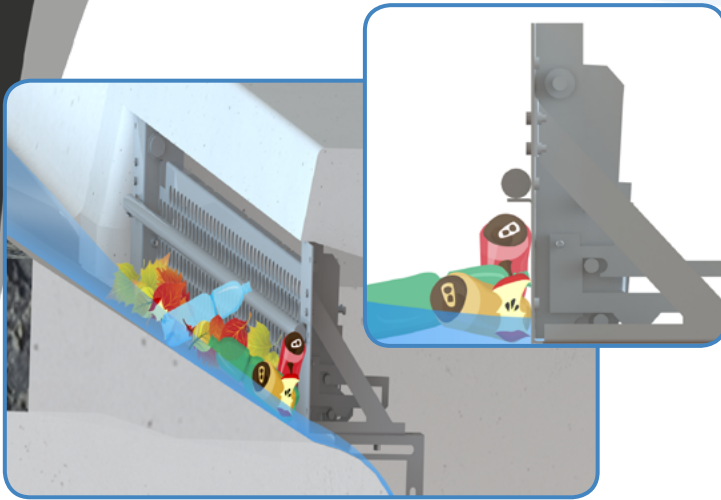
## Performance

- Remains closed and locked during normal run off and light rain
- Water flows of approximately 2 inches or more will unlock and open the *Watergate*
- Positive force returns the *Watergate* to the closed and locked position, to reduce the possibility of debris becoming trapped under the screen
- Integral Control Arm prevents opening beyond operational limits
- If the screen is clogged with debris, the top overflow design directs flow onto the actuator, which helps the unit open

## Specifications

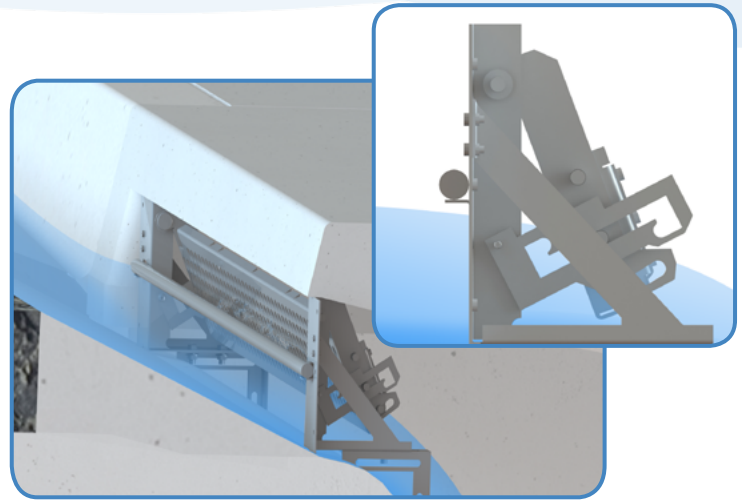
- All parts are Type 304 Stainless Steel
- The Screen uses the industry standard 0.75 inch holes in a perforated pattern, which is 50% open
- Built-in 0.75 inch diameter stainless steel child protection bar
- Due to the high tolerance of fabrication utilizing laser and CNC turret, no adjustment points are needed

## Operation



### *Closed & Locked Position*

During dry weather flows and light to moderate rain, the **Watergate** prevents trash and debris from entering the catch basin. This allows routine street sweeper maintenance to address trash before it enters the storm drain system. After any storm event, the screen will return to the closed and locked position automatically.



### *Open & Unlocked During Increased Flow*

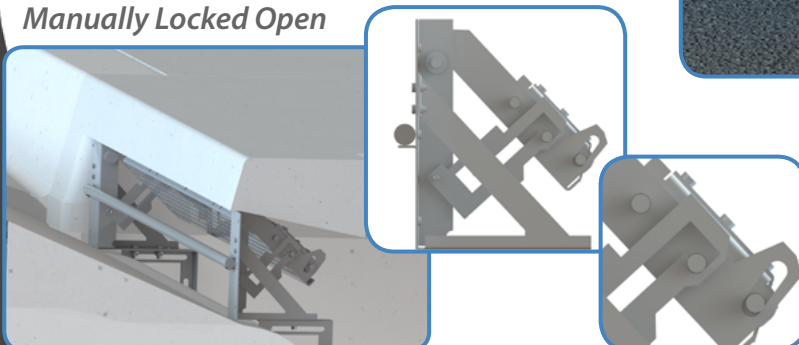
During heavy rain events, increased water flows will unlock the **Watergate's** screen, allowing it to open only as far as necessary to allow runoff to enter the catch basin and prevent flooding while still blocking larger trash and debris. This patented design intelligently prevents clogging and flooding issues often found with fixed screen systems.

## Maintenance

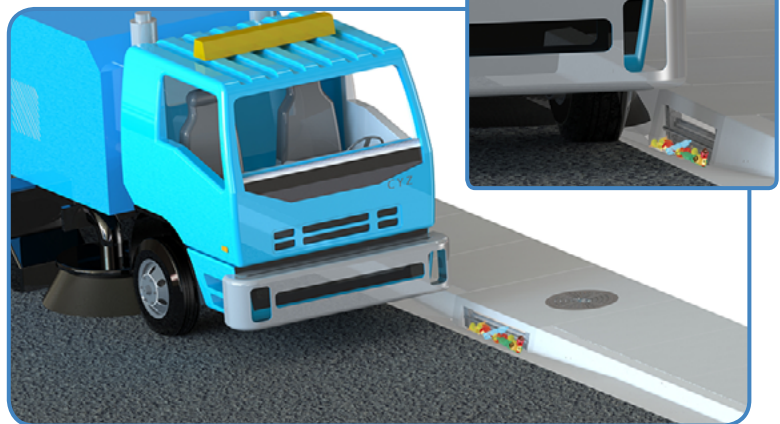
Routine street sweeping is the only maintenance necessary. The **Watergate** will remain closed and locked during routine street sweeping and is not affected by the sweeping brushes.

For added peace of mind, when large storms are expected, the **Watergate** can be manually locked open from the street by hand using receptors in the control arms.

### *Manually Locked Open*



### *Durable Enough To Handle Routine Street Sweeping*



2972 San Luis Rey Rd  
Oceanside, CA 92058

p 760.433.7640 f 760.433.3176

[www.BioCleanEnvironmental.com](http://www.BioCleanEnvironmental.com)

