



SCREENING SOLUTIONS FOR  
**FLOOD & STORMWATER**



THE DUPERON®  
DIFFERENCE

#### RELIABLE OPERATION

- *Keep pumps running and water moving to protect life and property*

#### SYSTEM RESILIENCE

- *Duperon equipment adapts to a wide range of debris and flow variations for whatever makes it into the channel. Handling everything from general refuse, aquatic vegetation, tree limbs, tree branches and shrubs to lumber, tires, oil drums and automobile frames*

#### BUILT-IN REDUNDANCY

- *Multiple scrapers and screens keep the full intake clean and water flowing*

#### AUTOMATED FOR SAFETY

- *No operator intervention required during storm events and all maintenance is above the deck to avoid dangerous or expensive underwater upkeep*

#### SIMPLE

- *With few parts and minimal maintenance Duperon equipment is easy to install, own and operate by crew*

## RELIABLE OPERATION WHEN THE STORM COMES

From seasonal runoff to 100-year storms - open channel trashrakes must operate dependably. A flood control plan is often the only thing between a weather event and the loss of life and property.

**Because your trashrakes are the first line of defense,** they are critical to: keeping pumps operating; keeping flooding under control; and to meeting accountabilities for public and community protection.

**Because no one can predict what will find its way into an open channel,** trashrakes must be designed to minimize jamming or binding.

**Because trashrakes often sit idle for extended periods of time between weather events,** the technology must be resistant to binding and corrosion to assure the ability to start up on command. It cannot have close clearances in its mechanical design. Maintenance requirements must be minimal. In storm events, debris generally hits the screen during the first 20 minutes. Rakes must function reliably during the brunt of any event without fail.

**Because when the storm hits with its high winds, high flows and volumes,** trashrakes must work absolutely: without long cycle times; without cables to tangle; and without chains and sprockets that foul underwater. Traveling electronics or trolleys that cannot leave their housings are unacceptable in the unpredictable world of open channels.

**Because underwater maintenance is expensive and inconvenient,** it is important that trashrake maintenance be such that it can be performed from the deck. Fouling is most likely to occur when a storm hits—causing performance issues at a time when divers cannot be sent into the water to correct them. Mechanisms that rely on underwater sprockets, bearings and tracks are to be avoided.



## APPLICATIONS

Our team continues to solve the real problems facing our customers with simple and lasting solutions in the following applications:

- Stormwater pump stations
- Flood control pump stations
- Drainage pump stations
- Levee district pump stations
- Irrigation canal pump stations

WEATHER IS UNPREDICTABLE,  
YOUR TRASHRAKES SHOULDN'T BE



For screens and trashrakes in stormwater channels, resiliency and simplicity are key. Duperon equipment uses a simple design that performs consistently and requires minimal maintenance. There is no need for diving, no complicated controls, and no jamming. These products have been tested in a variety of environments and conditions. Many are still in operation after decades of demanding use.



### DUPERON® SELF-CLEANING TRASHRACK

Front clean, rear return design. For sites that experience severe conditions with high volumes, high velocities and large debris present.



### DUPERON® FLEXRAKE® HD

In-channel coarse, slotted bar screen with serrated UHMW scrapers and FlexLink™ Jam Evasion™ technology. SSTL construction used for wastewater.



### DUPERON® FLEXRAKE® ONLY

FlexRake raking device with FlexLink™ technology is mounted onto customer's existing bar rack using I-Beam or sidefab mounts.



### DUPERON® CONVEYANCE

Alternative to discharging onto the deck by application. Mechanical transportation and processing of captured debris.

## PRODUCTS QUICK GUIDE

PRODUCT NAME	SCREEN TYPE	BAR OPENING	BAR TYPE
Self-Cleaning Trashrack	Coarse	2 in - 3 in	Slotted Bar, A36 Steel coated. SSTL options available
FlexRake® Heavy Duty	Coarse	2 in - 4 in	Slotted Bar, A36 Steel coated or hot-dipped galvanized. SSTL options available
FlexRake® Only	Coarse & Fine	Uses existing trash rack or wedgewire screen	Uses existing trash rack or wedgewire screen