

Mechanical Cleaning for Existing Bar Screens; Adapts Automatically to Wide Variations in Debris



FlexRake® Only

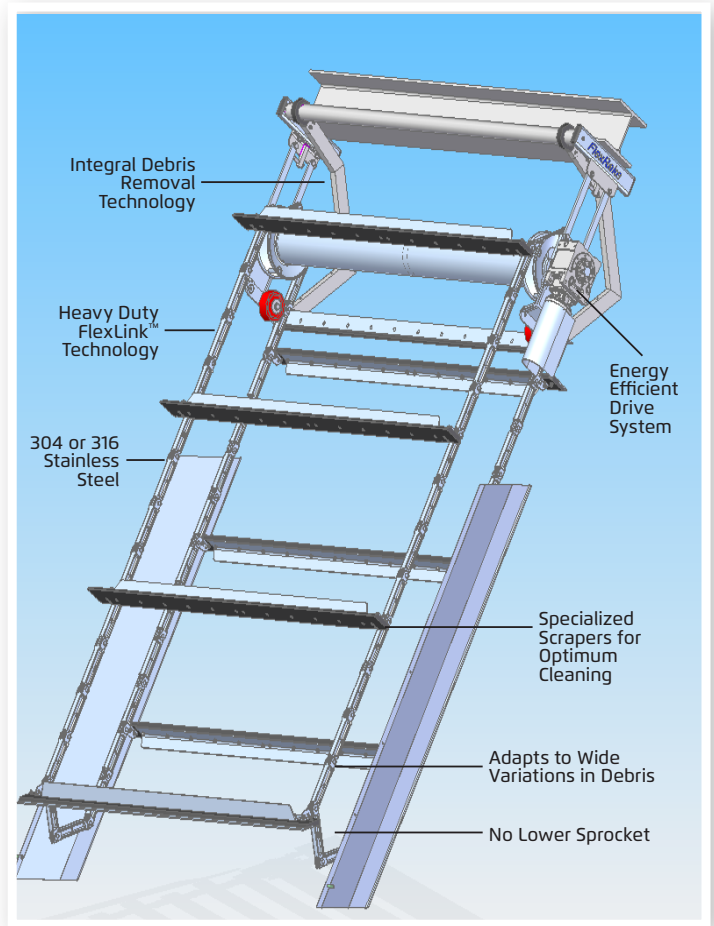
Mechanical Cleaning System for Existing Bar Screens

Simple front cleaning, front return Duperon® FlexRake® technology for Existing Bar Screens.

- Industry-Exclusive FlexLink™ Design Incorporates a Robust 5 lb. Stainless Steel Cast Link System: 60,000 lb. Ultimate Strength, 1,000 lb. Debris Lifting Capacity
- Ideal for Applications Where Debris Size may be Unpredictable
- Assures Continued Flow, Even Through Heavy Storms, Without Interruption or Shutdown
- No Lower Sprockets, Bearings or Tracks That Require Underwater Lubrication or Dewatering for in-Channel Maintenance

The Duperon® FlexRake® Only

- Installs as Initial Bar Screen Cleaning System or to Replace Existing Technology (Dependent on Site Requirements)
- Effortlessly Removes Debris of All Sizes Without Interruption
- Continually Cleans Across Entire Intake With Multiple Scrapers (No Cycle Times, No Clogging)
- No Carryover, Most Resilient Design In The Industry
- Easy to Install and Easy to Operate



TYPICAL APPLICATIONS

Wastewater, combined sewer overflows, prison applications, open channels, water intakes, coarse screens, irrigation canals, stormwater pump stations, flood control, hydroelectric and other applications where debris is variable and difficult to capture.

UNIT WIDTH

2 feet to 12 feet

UNIT LENGTH

10 feet to 100 feet

ANGLE OF INSTALLATION

- Range from vertical to 45 degrees, dependent upon site conditions
- Optimum: 30 degrees from vertical

SCREEN BARS BY OTHERS

Scrapers can penetrate clear openings 1/2 inch to 4 inches wide, with 2" maximum depth

STANDARD SCRAPER SPACING

Every 2nd link (21 inches) to every 6th link (63 inches), dependant on application

SCRAPER MATERIAL

UHMW—UV Stable

SCRAPER CONFIGURATION & SPACING

Dependent on application

MOTOR

Dependent on application

STANDARD OPERATING SPEED

- 0.5 RPM
- Scrapers move 28 inches/minute

SHIPPING DATA

Rake is partially assembled.

STANDARD CONTROLS OPTIONS

Packages range from simple start/stop to sophisticated automation. Motor overload protection provided. Contact Duperon® for further details and assistance in selecting the perfect package for your site.

OPERATION OPTIONS

- Continuous/Manual
- Automatic with timer, float, SCADA, differential/high-level sensing options with I/O as needed



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