

## The Advantage of FlexRake® Technology for Fine Screen Applications



### FlexRake® FS Fine Screen

Simple front cleaning, front return Duperon® FlexRake® technology. Utilizes stainless steel, wedgewire screen with .020 inch to .125 inch openings.

- Screen is Continuously Cleaned by UHMW Scrapers
- Ideal for Applications with Algae or Similar Screening Byproducts
- FlexLink™ Technology Eliminates Submerged Sprockets, Bearings, and Tracks
- No Scheduled Maintenance or Lubrication
- Available in Single or Double Strand Configurations (Dependent on Site Requirements)

# The FlexRake® FS



The Duperon® FlexRake® FS in a single strand application.



FlexRake FS® in an open channel application.

## TYPICAL APPLICATIONS

Open channels, water intakes, fish screens, beautification, reservoir protection, and food wastes applications.

## UNIT WIDTH

- 2 feet to 10 feet
- Single Strand FlexRake® configuration available for channel widths of 18 inches to 24 inches

## UNIT LENGTH

10 feet to 50 feet

## ANGLE OF INSTALLATION

- Optimum: 30 degrees from vertical
- Range from 15 degrees to 45 degrees, dependent upon site conditions

## STANDARD MATERIALS OF CONSTRUCTION

- Standard: 304 Stainless Steel
- Available in: 316 Stainless Steel

## OPENINGS

.020 inch to .125 inch wedgewire

## STANDARD SCRAPER SPACING

Every 4th link (42 inches)

## SCRAPER CONFIGURATION

- UHMW with beveled edges, standard
- Squeegees and/or brushes, optional

## TYPICAL MOTOR

½ HP, 1 PH/3 PH

## STANDARD OPERATING SPEED

- 0.5 RPM
- Can be increased to 2 RPM in high flow conditions
- 1 discharge/minute on low, 4 discharge/minute on high
- Scrapers move 28 inches/minute

## SHIPPING DATA

Ships fully assembled or can be provided in modular form

## STANDARD CONTROLS OPTIONS

Packages range from simple start/stop to sophisticated automation. Motor overload protection provided. Contact Duperon Corporation 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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