

Full-Range Flexibility and Maximum Capture with Thru-Bar™ Cleaning; Adapts Automatically to Wide Variations in Debris



FlexRake® FPFS

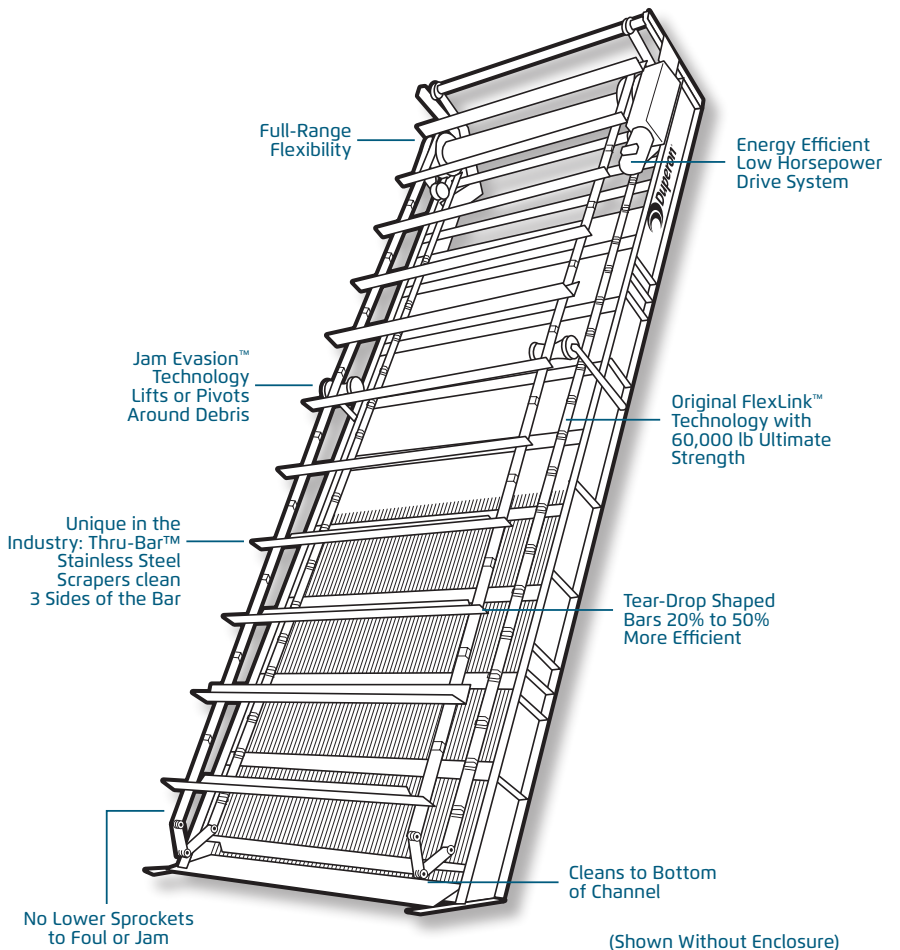
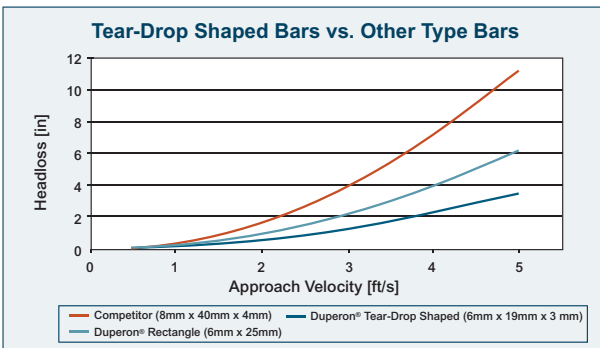
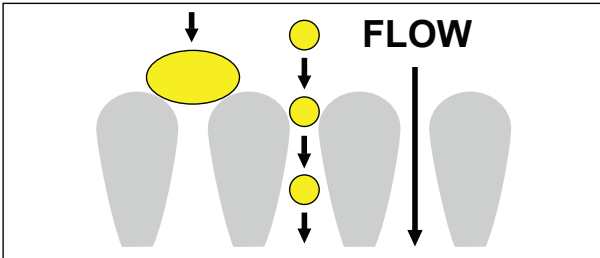
Thru-Bar™ Cleaning Fine Screen

Simple front cleaning, front return Duperon® FlexRake® technology. Utilizes stainless steel tear-shaped bars with 1/4 inch, 3/8 inch or 1/2 inch openings.

- No Lower Sprockets, Bearings or Tracks to Foul or Jam
- Adapts to Debris Variations; Full-Range Flexibility
- High Capture Thru-Bar™ Stainless Steel Scrapers
- Low Horsepower, Energy Efficient Drive System
- Tear-Drop Shaped Bars Provide Increased Flow Rate
- Five-Year Warranty for Wastewater Applications

The Duperon® FlexRake® FPFS

TEAR-DROP SHAPED BARS ARE THE MOST EFFICIENT BARS IN THE INDUSTRY



TYPICAL APPLICATIONS

Wastewater, combined sewer overflows and prison applications. Also used in pulp/paper mills, raw water intakes, and other applications where debris is highly variable or difficult to capture.

UNIT WIDTH

- 2 feet to 12 feet
- Single Strand FlexRake® configuration available for channel widths of 18 inches to 24 inches

UNIT LENGTH

10 feet to 100 feet

ANGLE OF INSTALLATION

Range from 10 degrees to 45 degrees.

STANDARD MATERIALS OF CONSTRUCTION

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

BAR OPENING

1/4 inch, 3/8 inch and 1/2 inch

STANDARD SCRAPER SPACING

Every 2nd link (21 inches)

SCRAPER CONFIGURATION

- 3:1 UHMW-PE staging scraper/stainless steel Thru-Bar™ teeth ratio

TYPICAL MOTOR

1/2 HP, 1 PH/3 PH explosion proof inverter-duty motor

STANDARD OPERATING SPEED

- 0.5 RPM
- Can be increased to 2.2 RPM in high flow conditions
- 1 discharge/minute on low; 4 discharges/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® 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



To Learn more about Duperon® Adaptive Technology,™ scan this QR code or visit www.duperon.com

Duperon® ADAPTIVE TECHNOLOGY™
Let's Build a System that Works for You™

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