

The Advantage of FlexRake® Adaptive Technology™ for Low Flow Applications



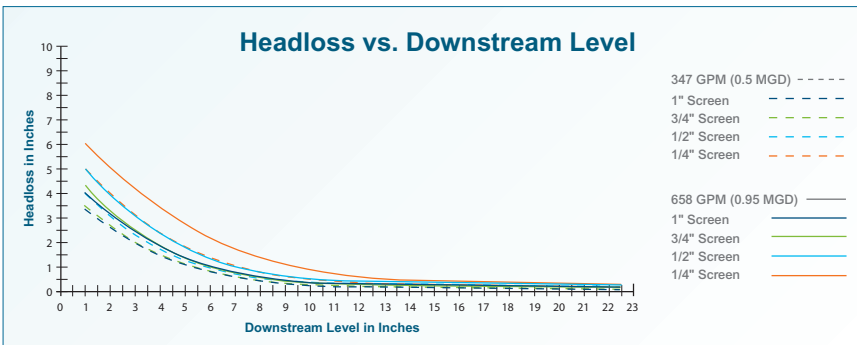
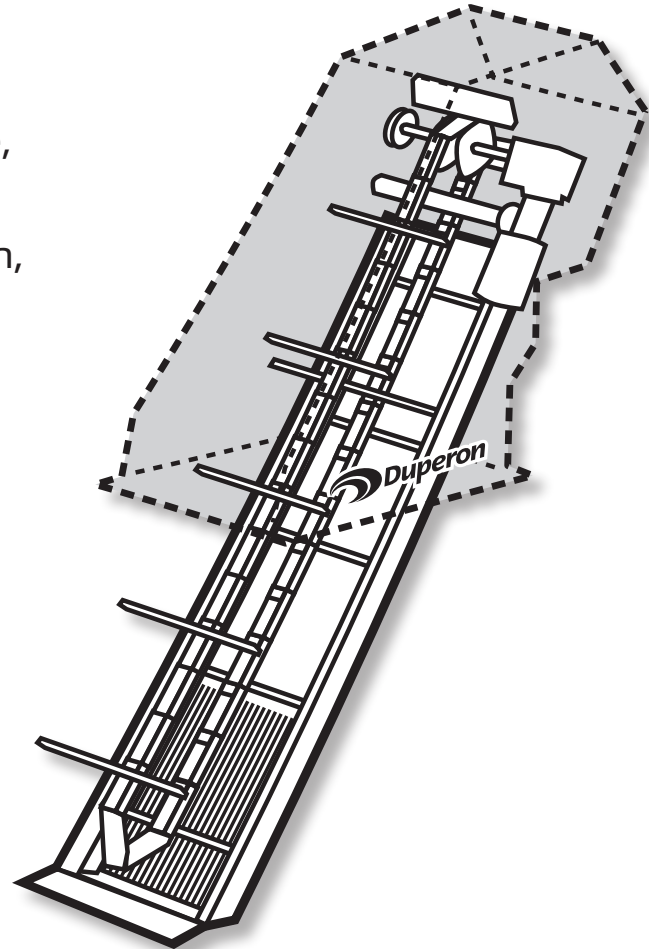
FlexRake® Low Flow Cost-Effective Screening for Low Flow Applications

Unusually affordable, simple, front cleaning, front return bar screen technology. Specifically designed for plants of 1 mgd or less average flow with channels 2 to 6 feet deep by 1 to 2 feet wide. Available with bar openings of 1/4 inch, 1/2 inch, 3/4 inch and 1 inch.

- Pre-Engineered to be Energy Efficient to Save You Time and Money
- Standard Features Include: Easy Controls, Spray Wash for Screenings, All Stainless Steel Construction
- Tear-Drop Shaped Bars Provide Highest Efficiency in the Industry; 25%-50% More Efficient
- Exclusive Thru-Bar™ Scrapers Clean 3 Sides of the Bar
- Proven Duperon® FlexRake® Technology: No Lower Bearings, Sprockets, Jam Points or Confined Space Entries

The Duperon® FlexRake® Low Flow

- UHMW Low Flow SmartLink™ — Completely Corrosion-Resistant Links Provide Long Life, Allows for “Dry” Operation
- Integral Enclosure Provides Easy Installation, Access and Viewing
- No Carryover, No Scheduled Lubrication, No Maintenance



GENERAL

Average Flow Capacity:	1 MGD
Peak Flow Capacity:	4 MGD
Channel Width:	1 - 2 ft wide nominal
Maximum Liquid Level:	22"
Screen Area:	3.5 ft (vertical projection)
Bar Opening:	1/4", 1/2", 3/4", 1"
Range of Channel Depth:	2' to 6'
Minimum Water Depth:	0"
Discharge Height:	32.5" as measured from deck max.
Unit Height:	65.5" measured from deck
Unit OAL Width:	41.5" measured at widest point
Lifting Capacity:	500 lb
Motor Size:	1/4 hp, TEFC Standard

UTILITY

1 Phase	(115 volt or 230 volt)
3 Phase	(240 volt or 480 volt)

PERFORMANCE

Scraper spacing:	20.8" (every third link)
Discharge Rate/Cleaning:	Every 24.7 seconds
Scraper Travel Speed:	50.5"/minute
Sprocket Speed:	1.82 RPM

MATERIALS OF CONSTRUCTION

Drive Mechanics:	304 Stainless Steel
Enclosure / Dead plate:	304 Stainless Steel
Screen Bars:	316L Stainless Steel
Chain / Scrapers:	UHMW PE – UV Stable
Motor:	Steel with Std DC coatings

CONTROL FUNCTIONALITY

Emergency Stop • On-Off • Run Monitoring (Dry Contact)
Explosion-proof controls available***

***Custom site wiring is necessary with explosion-proof option. Main panel is remote mounted, explosion-proof motor and NEMA 7/9 push button station provided. Wiring completed per local requirements.



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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