

# *CHAIN AND FLIGHT RECTANGULAR COLLECTORS AND CLARIFIERS*



*Since 1975*

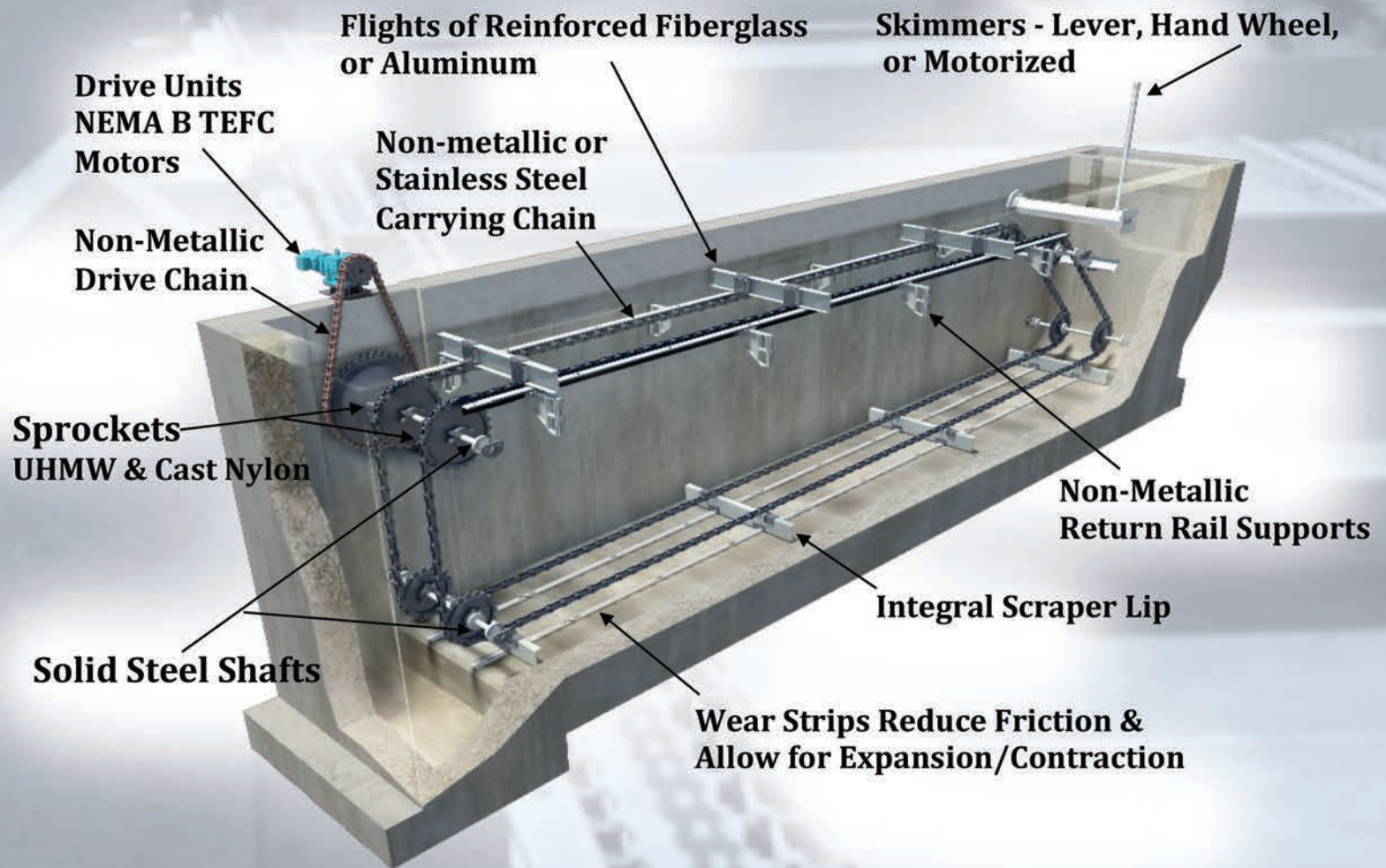




- Three and Four Shaft Rectangular Mechanisms
- Up to 28' in Width and over 250' in Length
- Fiberglass Reinforced Plastic or Aluminum Flights with Integral Scraper Lip
- Corrosion Free and UV Resistant UHMW or Cast Nylon Sprockets
- Reversible Wear Shoes and Strips for Floor and Returns
- Lever, Hand Wheel or Motorized Pipe Skimmers
- NSF 61 Certified Systems



# ***CHAIN AND FLIGHT RECTANGULAR COLLECTORS AND CLARIFIERS***





## Screens

### The Catenary Bar Screen

Trapezoidal Stainless steel Bars (.25 - 3" Bar spacing)  
No Underwater Bearings or Sprockets  
Heavy Duty - Jam Free  
Highest Capacity - Low Head Loss (2.5 - 15' Channel)  
Front Cleaned - Multiple Self-Relieving Rakes  
Lowest Maintenance

### Traveling Water Screen

Flow Through Design - Drop in Construction  
Continuous Baskets - Balanced Drive system  
Heavy Duty Roller - Type Main Chain  
Stainless or Carbon Steel Construction

### Catenary Trash Rakes

Rectangular or Trapezoidal Stainless Steel Bars  
No Underwater Bearings or Sprockets  
Maximum Capacity  
Front Cleaned-Multiple Self-Relieving Rakes  
Severe Duty - Jam Free

### EIMT

Trapezoidal Stainless Steel Bars (.25 - 3" Bar spacing)  
Front Cleaned - Multiple Self-Relieving Rakes  
Single Head Shaft - Two and Four sprocket design  
Stainless Steel Construction (Type 304 or 316)  
High Capture Volume

### ARC Screen

A Low-Cost Screen  
Standard Curved Bar Rack  
Ideal for Small WTP's  
Unitized Drop-in Construction

### Passive Intake Water Screens

100-1000 GPM Intake Capacity  
Non-Clogging Wedge Wire Construction  
304 and 316 SS or CuNi (Copper Nickel)  
Air Burst Cleaning  
Low Head Loss and Velocities  
Minimal Maintenance



## ***E & I Corporation***

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## Grit Collection

### Catenary Grit Collector

No Underwater Bearings or Sprockets  
Heavy Duty - Jam Free  
High Capacity  
Low Maintenance

### Swirl (Vortex) Grit Collector

Air Lift or Self-Priming Pump  
High Rate Grit Removal - 95% Efficient  
Stainless or Carbon Steel Construction  
No Underwater Parts to Maintain

### S or V-Bucket Grit Collector

Screw (Auger)/Bucket Elevator  
Stainless Steel or Fiberglass  
Standard or High Capacity Buckets  
Ideal for Low to Moderate Flow Rates

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## Flocculators

Vertical or Horizontal  
Carbon or Stainless Steel Shafts & Structural Members  
Efficient Mixing by Design - NSF 61 Coatings  
Non-Metallic Bearing Liners  
Fiberglass Reinforced Arms & Baffles

## Pipe & Helical Skimmers

Metallic & Non-Metallic Wetted Parts  
Teflon Pipe/End Plate Super Seals  
Lever, Hand Wheel or Motorized Operation  
Metallic or Total Fiberglass Reinforced  
Plastic Reels, Beach Plates, Discharge Troughs and

## Clarifiers & Collectors

Three & Four Shaft Rectangular Mechanisms  
NSF 61 Certified Systems  
Complete Line of Metallic & Non-Metallic Bearings,  
Chain, Sprockets, Shafts, Stub Shafts, Wear Shoes and  
Strips for Floor and Returns  
Corrosions Free UHMW -Nylon, Polyurethane and  
Polyethylene

## Rehab & Repair

"The Parts you NEED when you NEED them"  
OEM Parts for Exact Fitment  
Technical Support by Phone, On-Line or On-Site  
Minimize Downtime & Increase Service Life &  
Performance