

Swirl Grit



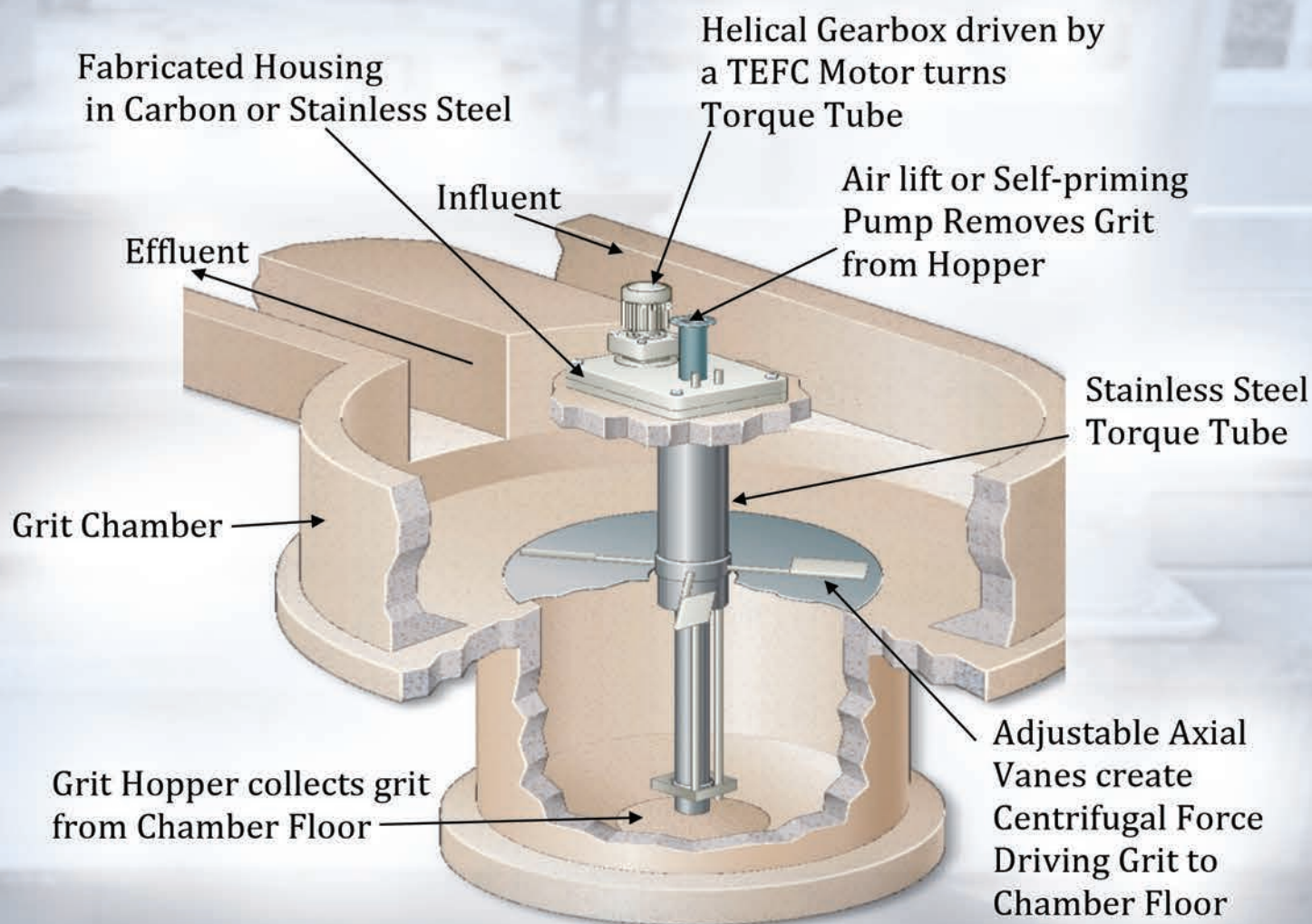
*Providing Efficient and Low Maintenance
95% Grit Removal Since 1977*





- Swirl Grit's Centrifugal Force removes 95% of Influent Grit while suspending Effluent Organics.
- Adjustable Axial Vanes on the Torque Tube drive Grit to the Chamber Floor while Organics flow out.
- The Grit settles in the lower Hopper and is removed by Air-lift or Self-priming Pump to Classifier for wash, dewater and landfill.
- All Wetted Components are manufactured from 304 or 316 Stainless Steel. There is No Maintenance below operating floor level.
- E&I Swirl Grit is individually designed, engineered and manufactured to exceed the Specifications of each project.

Swirl Grit



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

Division of McNish Corporation
214 Hoff Road • Suite M
Westerville, OH 43082
PH 614-899-2282
FAX 614-899-0304
www.eandicorp.com

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

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