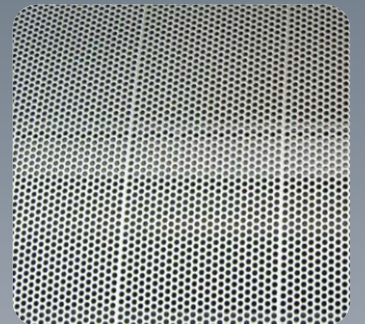
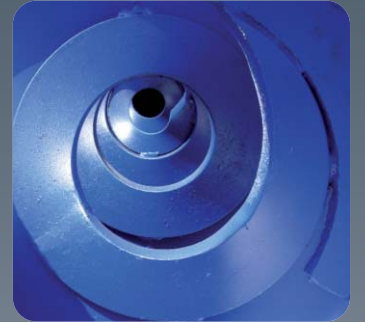


FLO-Products



Simply Superior Design

Liquid/Solid Separation



Screening
MBR Pre-treatment
Screenings Washing
Dewatering
Grit Washing
Conveying
Septage Receiving

SCREENING

Flo-Drum Rotating Screen

Municipal/industrial wastewater and MBR pre-treatment

- Screens, washes, conveys and dewateres in one unit.
- Channel widths from 650 to 3000 mm.
- Flows from 1 to 43 MGD based on screen media and opening
- Perforated plate, wedgewire and mesh screen media available depending on application.
- Triple-face seal prevents bypass.
- Channel mounted or tank mounted.
- 304 SS construction (316 SS optional).
- Sliding aluminum covers or stainless steel available.

Typical wastewater screening:

- Perforated plate media.
- 3 mm and 6 mm openings.

MBR pre-treatment screening:

- Perforated plate media.
- 1 to 3 mm openings.



Flo-SeptageStation DM – The “Beast”

The next generation of septage receiving

- Designed specifically for septage receiving, FOG and heavy solids.
- Flows from 525 to 875 gpm.
- Perforated Plate with 6 mm openings.
- Dual drives for better capture and faster unloading.
- Two-stage tank design prevents sedimentation.
- 25° angle of inclination increases capture and removal rate.
- No auger brushes, no screenings recycle, no screen support arms.
- Engineered to handle high solids loading.
- 304 SS construction (316 SS optional).
- No rock trap or grinding required.



Flo-Sieve Screening, Washing, Conveying, Dewatering System

Small municipal and industrial plants

- Six sizes from 200 to 700 mm.
- Flows from 1 to 7 MGD.
- Standard perforated media openings of 3 and 6 mm.
- 35° angle of inclination (45° and 90° available).
- Three spray systems clean the screenings, transport tube and compaction zone.
- Unit pivots out of channel for maintenance.
- In tank design also available.
- 304 SS construction (316 SS optional).
- Carbon steel auger is standard.
- Segmented brush design – economical and efficient brush change-out.



Flo-MultiRake Coarse Bar Screen

Municipal and industrial wastewater applications

- Channel widths from 400 to 2000 mm.
- Coarse bar spacing from 12 to 50 mm.
- Replaceable, segmented and bolted bar racks.
- Minimum of 2 cleaning rakes for faster solids removal.
- Recessed chain drive with no sprockets below the water level.



Flo-MultiRake Perforated Media Screen

Municipal and industrial wastewater applications

- Channel widths from 400 to 2000 mm.
- Perforated openings 3 and 6 mm.
- Multiple brushes and wipers for faster solids removal.
- 90° unit for deep channels and pump stations.
- Recessed chain drive with no sprockets below the water level.
- Economical alternative for small to medium size plants with flows under 10 MGD.



Flo-MultiRake Fine Bar Screen

Municipal and industrial wastewater applications

- Channel widths from 400 to 2000 mm.
- Fine bar spacing 6 – 8 – 10 mm.
- Replaceable, segmented and bolted bar racks.
- Minimum of 6 cleaning rakes for faster solids removal.
- Lower sprocket and maintenance free lower bushings recessed into the side rails.



Flo-MultiRake
shown without Covers

Common Flo-MultiRake Features:

- All three models use the same sturdy frame design.
- 304 SS construction (316 SS optional).
- Fully enclosed with removable covers.
- Gearboxes mounted using torque limiting devices.
- Reverse raking feature.
- 75° to 90° angle of inclination.



Flo-PerfBelt Continuous Perforated Plate Fine Screen

Municipal and industrial wastewater applications

- Widths to a maximum of 2000 mm.
- Perforated media openings 2 - 3 - 6 mm.
- Chain drive recessed into the side rails.
- Discharge cleaning system composed of a rotating brush and spray nozzles.
- 304 SS construction (316 SS optional).
- Screen elements are designed to:
 - eliminate bypass,
 - prevent screenings from falling back into the channel,
 - provide ease of maintenance and element replacement.



Flo-Screen Bar Screen

Low maintenance municipal & industrial wastewater climber screens

- Screen widths to 36".
- Coarse and fine bar spacing from 1/4" to 1-1/2".
- Low maintenance ball screw drive controls rake operation.
- Single rake design.
- Auto-reverse function to clear jams.
- Hydraulic drive for flexible installation.
- Reliable screening for remote, unattended locations.



Flo-RotoDrum Internally-fed Rotating Drum Screen

MBR pre-treatment and wastewater screen for pumped flows

- Available in drum diameters from 500 mm to 1500 mm.
- MBR application – 1 to 3 mm perforated media openings.
- Wastewater applications – perf openings 3 and 6 mm.
- 5° incline for improved dewatering.
- High capture efficiency.
- Strategically placed internal screen drum flights move the solids to discharge.
- External spray bars and brush capture small solids and clean the screen surface.
- 304 SS construction (316 SS optional).
- Full covers for safe, dry, odor-free operation.



Flo-DrumSieve Externally-fed Rotating Drum Screen

Hard to screen applications such as scum, grease or stringy material.

- Wedgewire screen media from 0.25 to 2.5 mm.
- Six sizes with flows from 44 to 9200 gpm.
- Even distribution across exterior screen surface.
- Brass cleaning blade removes solids as screen rotates.
- Designed to be self-cleaning.
- 304 SS construction (316 SS optional).



GRIT & SOLIDS

Flo-WashPress Washer Compactor

Municipal & industrial screenings washing and dewatering

- Capacities from 2 to 6 m³/h (70 to 210 ft³/hr).
- Volume reduction 65% to 75%.
- 35% to 45% dry solids.
- Two washing functions.
- Washed, dewatered screenings pass Paint Filter Test.
- Access to drain pan area for maintenance.
- Low profile design for easy retrofit.



Flo-Press Hydraulic Ram Press

Municipal & industrial screenings dewatering

- Capacities from 1.5 to 3.5 m³/h (53 to 124 ft³/hr).
- Volume reduction to 65%.
- Press dewateres and conveys via discharge piping.
- Wash port in drain for periodic cleaning.
- Good retrofit option.
- Hydraulic power pack can be unit mounted or remote.



Flo-SpiralPress Dewatering Conveyor

Municipal and industrial applications

- Capacities from 2 to 80 m³/h (70 to 2825 ft³/hr).
- High strength alloy steel shaftless spiral.
- Multiple inlet locations.
- Heavy-duty compaction discharge door.
- Unit constructed of 304 SS (316 optional).



Flo-Spiral Shaftless Spiral Conveyor

Municipal and industrial conveying applications

- Three spiral sizes and lengths to 50'.
- Inclinations from 0° to 30°.
- Push or pull operation for flexible distribution.
- Multiple inlet options along length of spiral.
- Shaftless spiral prevents clogging and wrapping of solids.



Flo-GritWash Grit Separation and Washing System

Key component of municipal grit handling systems

- Three capacities from 158 to 476 gpm.
- Washed grit contains less than 3% organics.
- Averages 80 to 90% dry weight.
- 95% particle separation > 0.2 mm.
- Heavy-duty shafted high strength alloy steel spiral.
- Completely enclosed for odor reduction.



Flo-GritOut Grit Classifier

Municipal & industrial grit separator

- Three capacities from 158 to 476 gpm.
- Separates and dewateres grit.
- Separated grit is removed via a heavy duty shaftless spiral.



Flo-Minutor Solids Reduction Comminutor

Municipal and industrial pump station / deep channel grinder.

- Available in 7 sizes with flows from 1 to 23 mgd.
- Cutters and knives are hardened D2 tool steel.
- Uniform cutting blades are easily replaceable.
- Horizontally- shafted grinder.
- Self-cleaning employing incoming flow.

