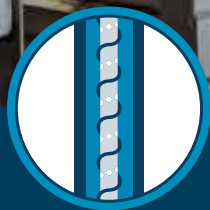




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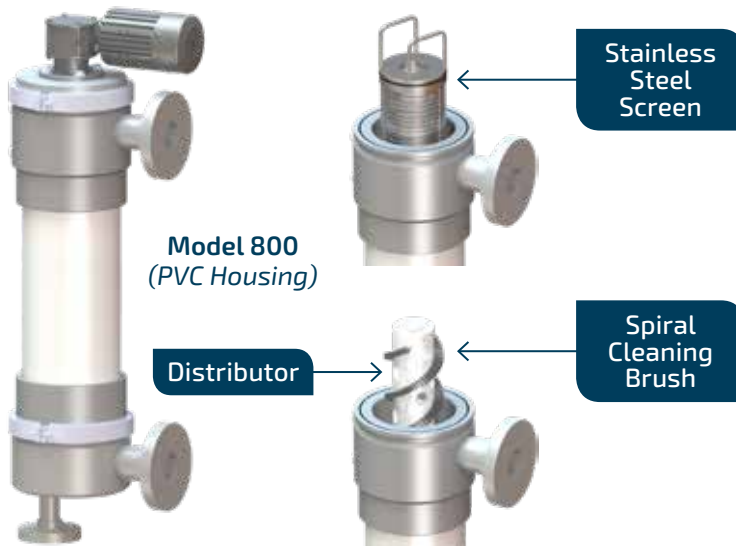
SPIRAL BRUSH FILTER

AUTOMATIC SELF-CLEANING FILTER

HOW SPIRAL BRUSH FILTRATION WORKS



Model 1000
(Stainless Steel Housing)



Model 800
(PVC Housing)

Distributor

Stainless Steel Screen

Spiral Cleaning Brush

1 Wastewater flows into the top of the unit where it enters the interior of the cylindrical screen.

2 Clarified material or filtrate exits the unit by passing through the screen while the solids accumulate inside the screen.

3 The motor at the bottom of the unit spins a cleaning brush, keeping the screen clean and pushing the accumulated solids downward to the purge outlet.

4 An automated valve opens periodically to purge solids out of the unit.

Spiral Brush Filter Applications:

-  TSS AND BOD REMOVAL FROM WASTEWATER
-  FOOD & BEVERAGE MANUFACTURING WASTEWATER
-  MANURE AND DIGESTATE CLARIFICATION
-  BREWERY WASTEWATER CLARIFICATION
-  PRE-FILTRATION FOR IRRIGATION AND NOZZLE SYSTEMS
-  PRE-FILTRATION FOR EXISTING UF OR RO SYSTEMS

Typical Throughput* (GPM)

SCREEN SIZE (MICRONS)	MODEL 800	MODEL 1000
15	20	100
20	30	133
25	25	165
50	50	250

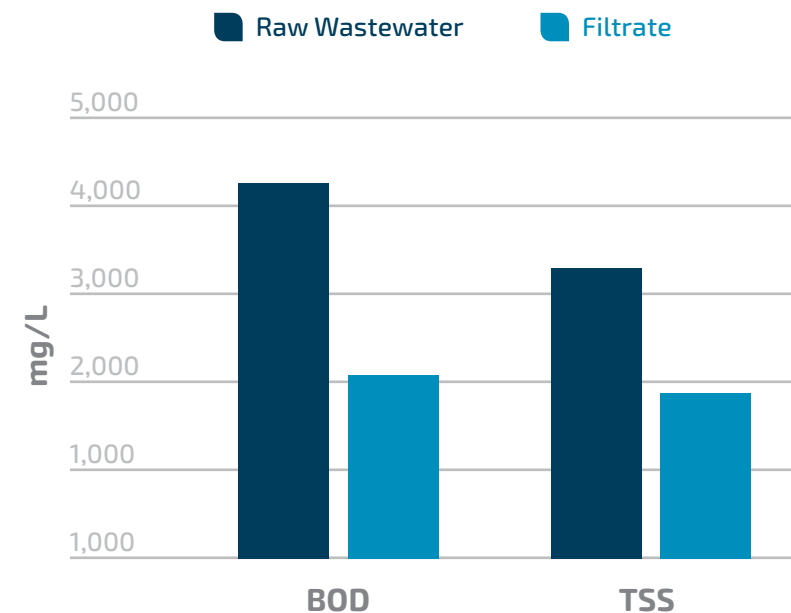
*For water with TSS up to 1,000 mg/L. At higher loadings, throughput will be reduced.



DO Metrics™
Our online dashboard for remote monitoring and data reporting.

Case Study: Potato Chip Manufacturer

- ◆ Starchy wastewater filtered through 15-micron screen prior to sewer discharge
- ◆ Solids purged out and sold as animal feed



Demonstration Unit Onsite



Purged Solids (sold as animal feed)

Benefits:

- ◆ Automatically purges when solids accumulate
- ◆ Continuously filters – no disruption in flow for purging or backwashing
- ◆ Concentrates solids for more cost-effective management
- ◆ Small footprint and energy efficient
- ◆ Modular and scalable to any flow
- ◆ Low pressure drop and high filtrate recovery



CONTACT US:

Digested Organics LLC
23745 Research Dr
Farmington Hills, MI 48335

Toll-Free: 844-934-4378
Local: 734-545-8016
info@DigestedOrganics.com

Work with us to Reclaim Your Waste™



EXPLORING *Filtration*

Call to learn how a Spiral Brush Filter can help your facility. We will assess your current situation and recommend the best solution for you.



TESTING *Filtration*

We will pilot test your material at our facility in Michigan or bring our equipment onsite, providing you with a thorough report and proposal for a full-scale system.



IMPLEMENTING *Filtration*

We deliver, install, and commission your new filtration system and teach employees how it works, ensuring it meets your expectations.



MAINTAINING *Filtration*

Our filtration equipment will become an integral part of your facility and allows you to streamline and expand your operations while reducing wastewater treatment costs.