



**Digested**  
ORGANICS



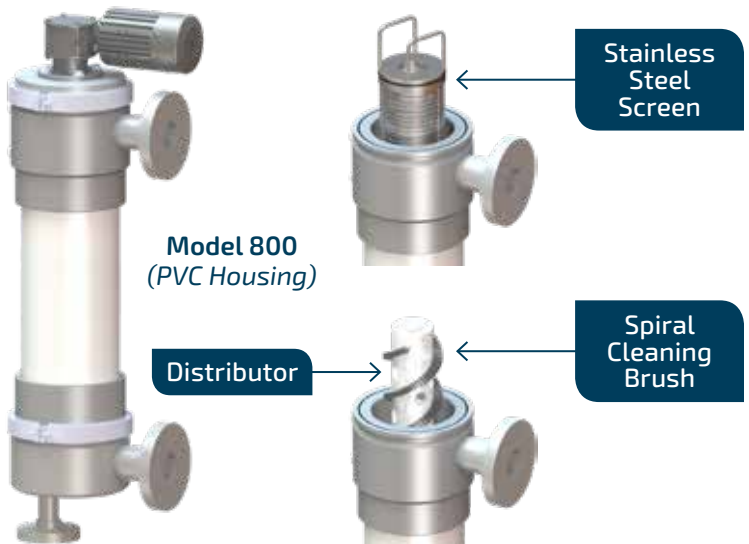
# SPIRAL BRUSH FILTER

AUTOMATIC SELF-CLEANING FILTER

# HOW SPIRAL BRUSH FILTRATION WORKS



Model 1000  
(Stainless Steel  
Housing)



Model 800  
(PVC Housing)

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.

## 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

# 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

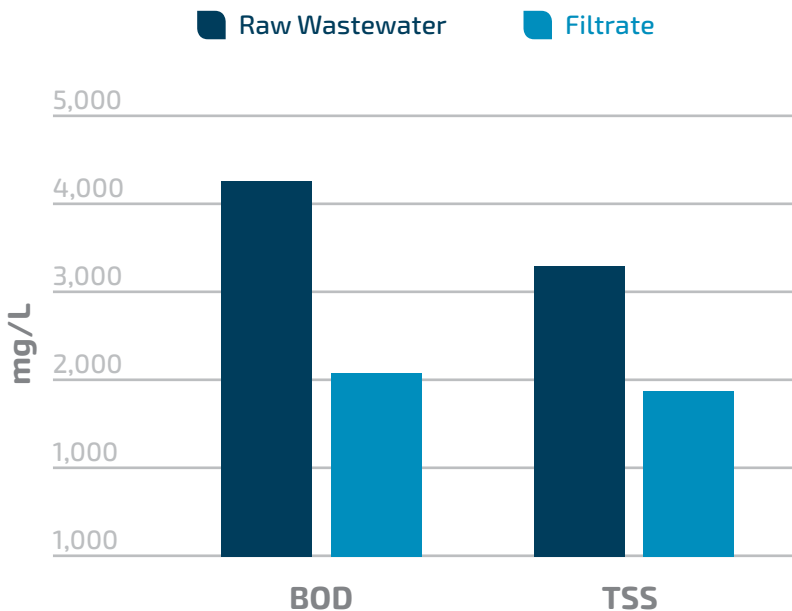
*\*For water with TSS up to 1,000 mg/L. At higher loadings, throughput will be reduced.*



**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





## CONTACT US:

Digested Organics LLC  
23745 Research Dr  
Farmington Hills, MI 48335

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