

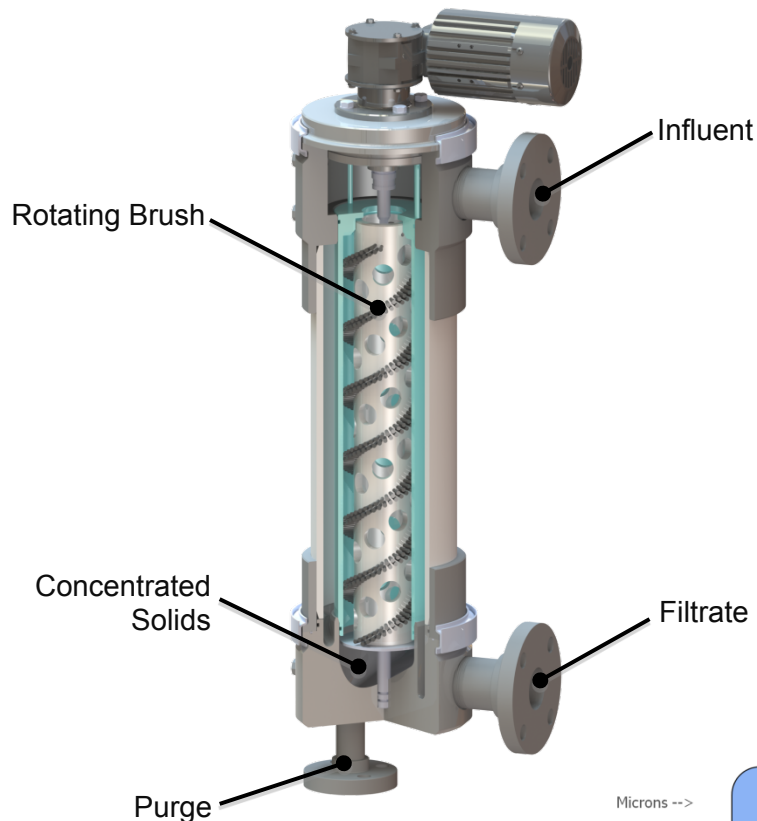


**Spiral Water™**  
Technologies, Inc.

## A Quantum Leap in Filtration

The **Spiral Water Automatic Filter**, with its revolutionary cleaning assembly, provides a low maintenance, self-cleaning filter designed to handle Ultra High and Variable Total Suspended Solids (TSS).

With its patented design and operation, the Spiral Water Automatic Filter provides 10 to 100 micron filtration. This technology offers Industrial, Municipal and Marine customers a unique filtration solution for their primary, pre-filtration or post-filtration applications.

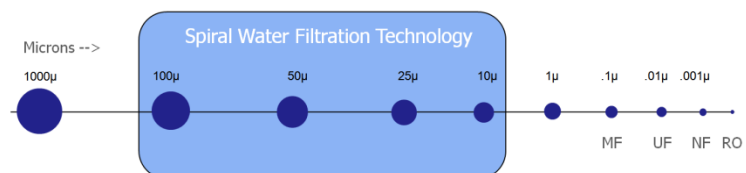


## Industry Applications

- Oil & Gas Produced/Flowback Water
- Desalination
- Marine & Ballast Water
- Wastewater & Reuse
- Mining
- Cooling Towers
- Food & Beverage
- Pretreatment for MF / UF / RO

## Key Features and Benefits

- High and Variable Solids Loading – up to 25,000 mg/l
- Continuously Cleaned Filter Membrane
- 10-100 Micron Filtration
- 99%+ Water Recovery
- Low Power (Line Power or Solar)
- Minimal Pressure Requirements
- Small Footprint
- Easy Maintenance - Minimal Moving Parts
- Light Weight
- Modular for Larger Flow Rates
- No Backwash, No Crossflow



**Fine Filtration with Continuous Filtrate**

## Filter Operation

Each filter contains a motor driven spiral shaped brush that continuously cleans collected debris from inside the filter element. Solids collected at the end of the filter housing may be expelled through an automatic purge valve. The system does not require high pressures to operate and performs at very low differential pressure. No backwash, cross flow or booster pumps required.



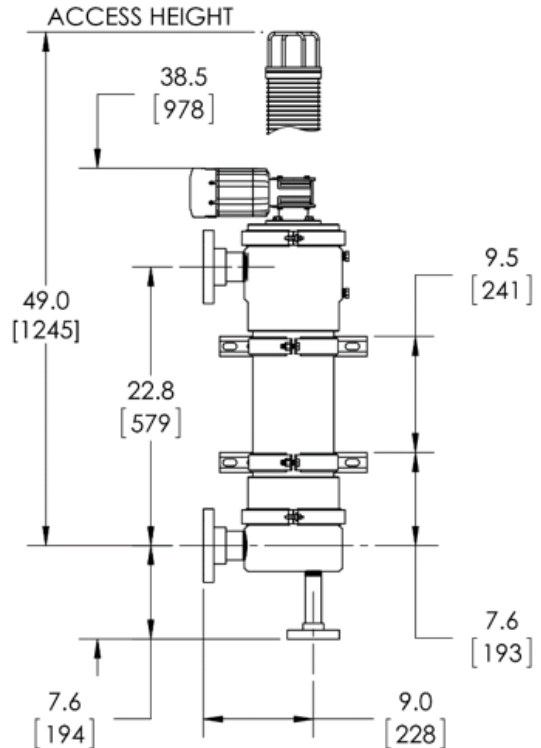
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## Model 810 Filter Unit Specifications

Inlet: 2" F-NPT or #150 Flange  
 Filtrate Outlet: 2" F-NPT or #150 Flange  
 Purge Outlet: 1" F-NPT or #150 Flange  
 Max Flow: 10 – 100 gpm  
 Filtration Rating: 10 – 100 micron  
 Max TSS: 25,000 ppm  
 Max Operating Press: 10.3 bar (150 psi) @70°F  
 Min Operating Press: <0.1 bar (<1 psi)  
 Head Loss: <0.1 bar (<1 psi)  
 Drive Motor: (3/8 hp) 230/460V 3-Ph or  
 (1/4 hp) 24v BLDC

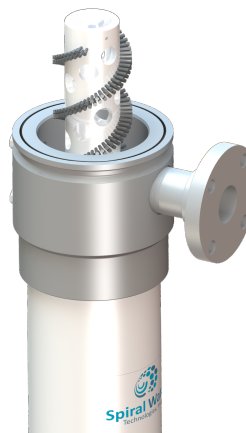
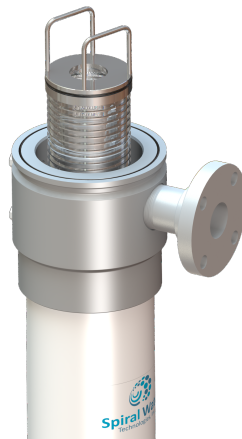
## Materials of Construction

Wetted Housing: PVC, 2205 SS  
 Seals: EPDM, Buna-N or Viton  
 Cleaning Brush: Acetal, Nylon 6.12, 316 SS  
 Filter Elements: 316L SS



## Options

Drive Motor VFD  
 Automated Drain Valve  
 Differential Pressure Transmitter  
 Programmable Control System  
 Multi-Filter Manifolds  
 Pump Skid Systems



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