



Key Technologies

Spiral Brush Filter (SBF)

Stainless Steel Screen

Our advanced self-cleaning screening technology removes suspended solids in a continuous process without interruption for backwashing.

Applications include:

- TSS and BOD removal from wastewaters
- Manure and digestate clarification
- Brewery and distillery wastewater screening
- Prefiltration for UF and RO systems

Spiral Cleaning Brush

Model 1000
(Stainless Steel Housing)

Ultrafiltration (UF)

Our stainless-steel UF systems are the toughest on the market today. With 3/4" tubular membranes made of 316L stainless steel, our UF is abrasion resistant, handles extremes in temperature and pH, and can produce very thick concentrates.

Applications for clarification/concentration include:

- Food & beverage manufacturing
- Raw manure concentration (for digestion)
- Nutrient recovery from digested manures
- Anaerobic and aerobic Membrane Bioreactors (MBR)
- Stillage filtration
- Sludge thickening

Nanofiltration (NF)

We utilize a patented, fouling-resistant NF membrane to treat organic-rich waste streams. This unique membrane is chlorine tolerant and easy to clean, while being resistant to fats, oil, and proteins, making it an ideal pre-filter ahead of reverse osmosis.

Applications include:

- Removal of suspended and dissolved solids $> 1 \text{ kDa}$
- RO pre-filtration in wastewater treatment/reuse
- Color removal

Spiral wound Nanofilter



Sub-Induction Time Reverse Osmosis™ (SIT-RO)

We have commercialized the lowest energy consuming and most fouling-resistant RO process on the market today, allowing extremely high clean water recoveries from wastewater.

Applications include:

- Recovery of reusable or dischargeable water
- Concentration of liquid fertilizers
- Concentration of leachate

Contact us

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