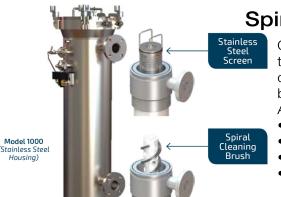


# **Key Technologies**



#### Spiral Brush Filter (SBF)

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

#### 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.

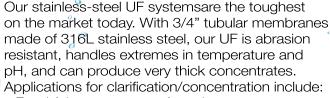
Nanofilter

Spiral wound

Applications include:

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

## Ultrafiltration (UF)



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



### 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

