

Total Re-Haul of Manure Digestate Treatment

Land spreading regulations are becoming stricter and as a result, large volumes of digestate need to be hauled off-site. This is both costly and carbon intensive.

As the number of anaerobic digesters continue to grow globally, so does the need for better technologies to manage digestate. ZwitterCo superfiltration (SF) membranes enable an economical, reliable, and sustainable transition away from hauling and pave a path to the future of digestate management. ZwitterCo is addressing these challenges by reducing the overall volume of digestate, concentrating valuable nutrients, and producing clean water for reuse or safe disposal.

What is ZwitterCo Superfiltration?

ZwitterCo superfiltration membranes are a class of membrane that falls between ultrafiltration and nanofiltration. Our SF membranes are an ideal pretreatment to reverse osmosis (RO) systems because they remove suspended solids and dissolved organic compounds that foul RO and cause downtime. Our unique membrane is immune to irreversible organic fouling, which helps keep the entire nutrient recovery system running efficiently.

Benefits of ZwitterCo Superfiltration

Reduce Costly Wastewater Hauling



Integrating superfiltration and reverse osmosis can reduce hauling volumes by 50% or more

Avoid Surcharges



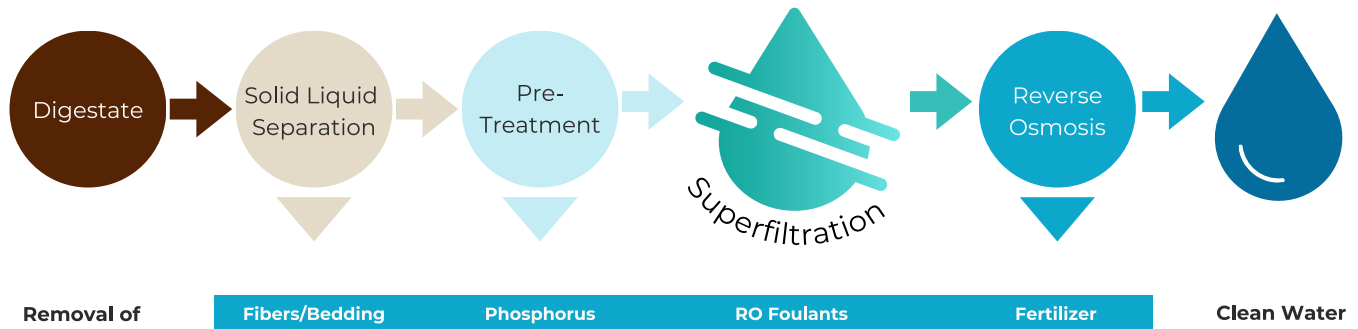
ZwitterCo membranes can meet discharge limits based on suspended solids or FOG limits

Maximize Sustainability



Generate reuse-quality water & reduce freshwater consumption

Nutrient Recovery Process with ZwitterCo Superfiltration



Why Choose ZwitterCo SF Over Hauling

ZwitterCo SF membranes are a great choice for companies who want to take their nutrient management practices to the next level. With our membranes, you can:

- Eliminate or reduce hauling
- Reduce volume to be spread on land
- More storage capacity on-site
- Decrease Carbon Intensity score
- Revenue from high-value organic fertilizer sales

Reuse Again and Again

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