

Membrane Revolutions in the Dairy Industry

An innovative technology that offers significantly higher quality wastewater treatment compared to traditional treatment methods, and has the potential to significantly reduce the water footprint in the dairy industry

WATER FOOTPRINT

- ~10.5 gallons (40L)/cow/day of water is used on dairy farms
- ~6 gallons (23L) of water is used per 1 gallon of milk produced
- Wastewater from dairy operations contains 10-20x higher pollutant loading than domestic sewage

THE SOLUTION

Swirltex plans to enable efficient **wastewater treatment** to reduce the water consumption in dairy through facilitating **water re-use**

- Membrane filtration w/ reduced fouling
- Removal of suspended solids and oils (<5ppm)
- Consistent quality water fit for re-use
- Low maintenance system, low operational costs

THE TECHNOLOGY

The Swirltex process can significantly **increase production** through a tubular membrane as well as **reduce fouling** and **energy consumption**. Our technology is **scalable** and **mobile**, and therefore can service multiple areas quickly and easily.



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