TECHNOLOGY REFERENCE

Biomass recovery from brewery digestate

Brewery wastewater · Anaerobic digestion

Approximate capacity	Module	Commissioned
125 m³/d	UltraFlux™ V8	2019

01

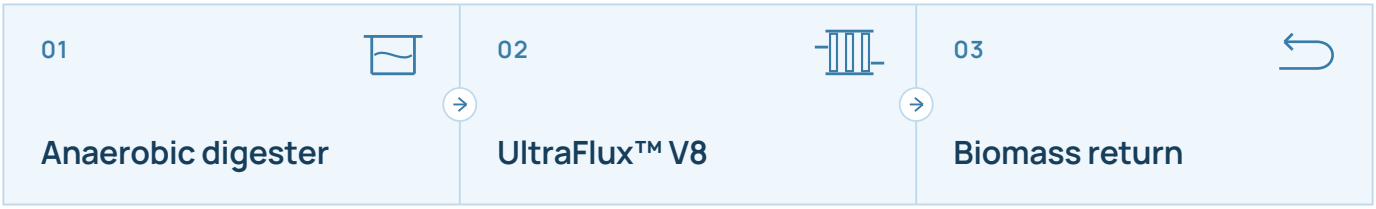
The challenge

The digestate contained 1–2% suspended solids. The brewery needed to draw off clarified water while retaining biomass in the digester.

02

The solution

UltraFlux™ V8 filtered the digestate directly. Permeate went to discharge and the concentrate returned to the digester through the foam-control nozzles.



03 / RESULTS

75% less energy for filtration

The return stream reached up to 4% suspended solids. The energy benchmark was a tubular UF system treating comparable wastewater.

- Concentrate returned to the digester
- Clarified permeate for discharge

Energy for equal volume

Tubular UF	100
UltraFlux™	25

Relative index · six months