



Easy Wastewater Treatment for Food & Beverage Processors

The packaged Smith & Loveless **TITAN MBR™** Membrane BioReactor (MBR) provides food and beverage processors the most cost-effective solution for enhanced wastewater treatment and water reuse. Enhanced to make operation even more automated and simpler, and regular maintenance even safer and less frequent than any other membrane system, the new **TITAN MBR™** features more compact models with the ability to achieve customized effluent goals and water reuse efficiently.

Easy to Install. Robust Plant Designs

S&L **TITAN MBR™** systems utilize S&L flat-sheet membranes to meet or exceed the most stringent regulatory standards (including California Title 22) for direct discharge and secondary reuse

applications. Designed with rugged stainless steel componentry and pre-wired cable trays, we have simplified things into a truly factory-built plug-and-play system. The only thing that needs installation on site is the fine screen. Pre-engineered systems range in capacity from 1,000 GPD (3.8 m³/d) to 0.1 MGD (1,890 m³/d).

Complete Project Support

From the beginning stages through design, delivery and start-up, we are there to assist you with complete project support, including design calculations, drawings, process selections, start-up and after market service Smith & Loveless pioneered single-source responsibility for wastewater equipment more than 65 years ago, and we look forward to serving our customers for decades to come.

Benefits for F&B Processors

- Complete project support by S&L
- Robust plant design
- Plug and play installation
- Extremely space-efficient
- Models as narrow as 8' (2.4m) deep
- Easiest O&M of any MBR



Food and Beverage

TITAN MBR™ Market Application



Application: Food Processing - Noodle Production
Requirements: Strict Effluent Requirements, Water Reuse
Peak Flow: 22,000 GPD (83 CMD)



Application: Food Processing - Nut Processing
Requirements: Minimal Land Usage, High Quality Effluent
Peak Flow: 10,000 GPD (38 CMD)



Application: Beverage - Winery
Requirements: Water Reuse / Reclamation
Peak Flow: 9,500 GPD (36 CMD)



Application: Beverage - Winery
Requirements: High Quality Effluent, Water Reuse / Reclamation
Flow: 5,000 GPD (19 CMD)



Application: Beverage - Winery
Requirements: High Quality Effluent, Water Reuse / Reclamation
Peak Flow: 12,500 GPD (47 CMD)



Application: Beverage - Bottling Facility
Requirements: High Quality Effluent, Water Reuse / Reclamation
Peak Flow: 7,500 GPD (28 CMD) per system
15,000 GPD (56 CMD) total