

Private and Commercial Development

TITAN MBR Market Application



Smith & Loveless Inc.



A Better Choice for Private & Commercial Developments

Packaged Smith & Loveless **TITAN MBR™** Membrane BioReactor (MBR) provides commercial and private developers cost-effective solutions and project benefits for enhanced wastewater treatment and water reuse. These sustainable systems solutions lower the total cost of the project and ownership while drastically minimizing land requirements and operation and maintenance typical of conventional treatment plants and MBRs.

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, our team is there to assist developers and their partners with complete project support, including design calculations, complete drawings, process selections, start-up and after market service after installation. 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 Developers

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



TITAN™
MBR

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Residential

Application: Private Development
Requirements: Minimal Land Usage,
Water Reuse / Reclamation
Peak Flow: 101,000 GPD
(382 CMD)



Residential

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Requirements: Minimal Land Usage,
Water Reuse / Reclamation
Peak Flow: 101,000 GPD
(382 CMD)



Residential

Application: Housing Development
Requirements: Minimal Land Usage,
Simplified Maintenance
Peak Flow: 35,000 GPD
(132 CMD)



Recreational

Application: Youth Camp
Requirements: Minimal Land Usage,
Strict Effluent Requirements
Peak Flow: 18,500 GPD
(70 CMD)



Casino

Application: Lucky Eagle Casino
Requirements: Effluent Quality
Flow: 100,000 GPD
(378.5 CMD)



Personal Health Care

Application: Health Care / Nursing Home
Requirements: Minimal Land Usage,
Nitrogen Reduction
Peak Flow: 22,300 GPD
(84 CMD)