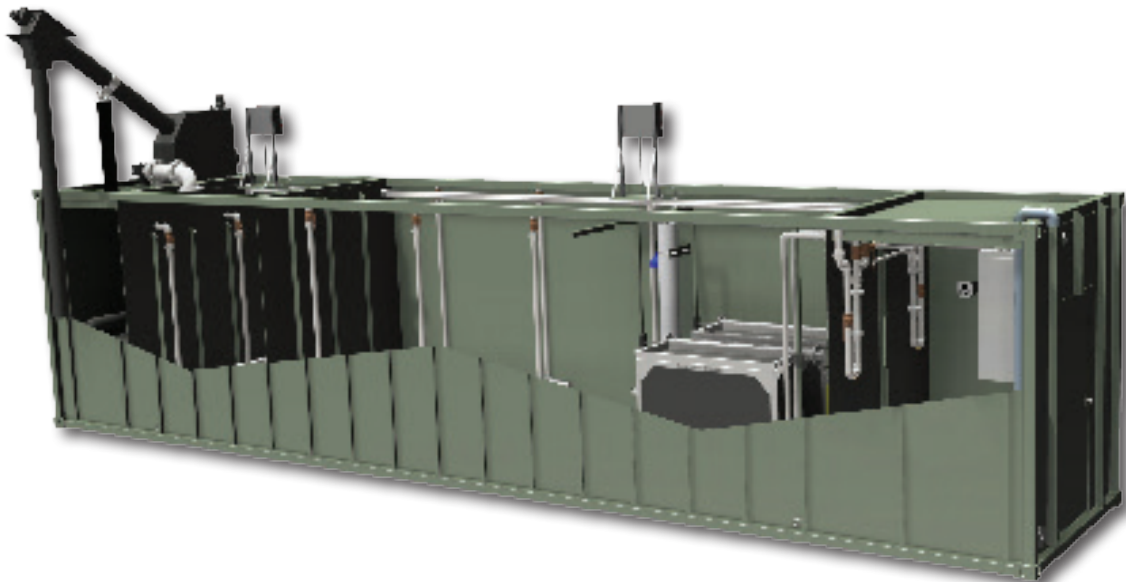




# Containerized MBR



TITLE 22  
APPROVED

Components



**Most Compact Design**



**Plug & Play Installation**



**Simplified Operation**

The **TITAN MBR QUBE™** is a complete, factory-built, packaged wastewater treatment system featuring a compact design for simple shipping and mobility. Equipped with the same **TITAN MBR™** technology that has made S&L an industry leader in pre-engineered treatment systems, the **TITAN MBR QUBE™** provides simple, economical and efficient plug and play treatment in a much smaller footprint than conventional treatment systems. The **TITAN MBR QUBE™** is a 40-ft high cube shipping container; delivered directly to the job site, minimal assembly required. **Operation is simplified with the benefits of S&L Flat-Plate membranes:**

- Superior effluent quality (reuse)
- Durable membrane construction
- No permeate pumps
- No daily cleaning cycle
- No air integrity testing
- Low energy usage



*Offering minimal shipping and installation costs, **TITAN QUBE™** system arrives at the site wired with all components except power and pad. Simply place screen, connect main power and influent/effluent pipes, raise junction boxes and you are ready to go.*



*TITAN MBR QUBE™ is an easy to operate and economical plug and play membrane system, ideal for small flow applications, temporary sites and mancamps.*



## APPLICATIONS

- Temporary sites & mancamps
- Small flows
- Industrial facilities
- International shipping
- Remote locations
- Military operations

## S&L DESIGN BENEFITS

- Backed by 65+ years S&L system engineering and manufacturing expertise
- Standard configurations mean quicker turnaround time from order to shipment
- S&L Factory-Built systems come with single-source responsibility by S&L

For **project inquiries** and complete technical support, contact Smith & Loveless by phone or online at [smithandloveless.com](http://smithandloveless.com)



**Smith & Loveless Inc.**

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## TITAN MBR QUBE™ System Features & Benefits

### Fine Screen

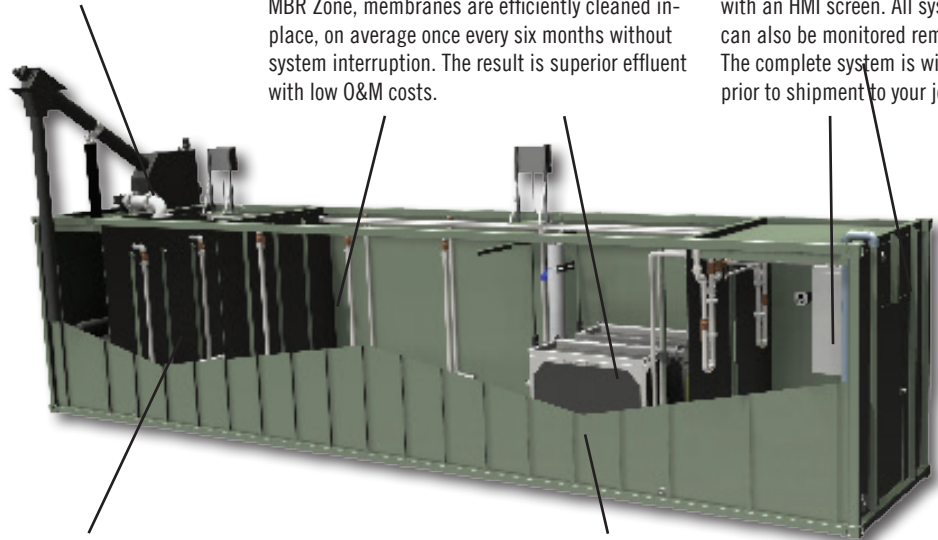
S&L provides an automatic fine screen system that provides 3 mm screening for the treatment system. Assembly is simple.

### MBR Zone with S&L Flat-Plate Membrane(s)

S&L's durable flat-plate membranes do not bundle or break, unlike hollow fiber types. No maintenance on fiber, air integrity testing, or permeate pumping is required. Submerged in the MBR Zone, membranes are efficiently cleaned in-place, on average once every six months without system interruption. The result is superior effluent with low O&M costs.

### Blower Room and Control Room

The blower and control rooms, with lockable doors, include the blower assembly and the PLC controls that are easy to operate with an HMI screen. All systems can also be monitored remotely. The complete system is wired prior to shipment to your jobsite.



### Process Options

Optional compact anoxic and sludge storage zones are also available. If additional flow volume is required, multiple units are easily integrated to operate in parallel.

### Quality Construction

California TITLE 22 approved components are assembled and wired in S&L's 116,000 sq. ft. manufacturing facility.

## Superior Effluent Quality

The TITAN MBR QUBE™ produces superior effluent quality, of less than 3 mg/l BOD and 1 mg/l TSS, exceeding the most stringent of standards, including California Title 22.

**TITLE 22**



Components



Model	Flows
5	2,500 - 6,500 GPD (9.5 - 24.5 cmd)
10	5,000 - 13,000 GPD (19 - 49.5 cmd)
20	7,500 - 20,000 GPD (28.5 - 75.5 cmd)