

WASTEWATER SOLUTIONS

FOR MUNICIPAL AND PRIVATE DEVELOPMENT



Smith & Loveless Inc.

SMITH & LOVELESS MUNICIPAL

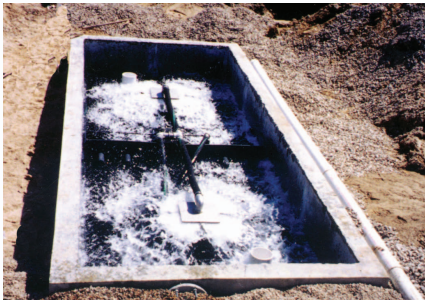
Smith & Loveless Municipal delivers custom water and wastewater treatment and pumping technologies that tackle the stringent needs of today's market. Our proven designs, flexible system application and 60 years of experience provide you the cost-effective solutions and single-source responsibility that you require for protecting your bottom-line. For applications ranging from sanitary wastewater, washdown, potable water, ground-water remediation and re-use, Smith & Loveless Municipal will use its 60-plus years of engineering experience to serve you.

TREATMENT SOLUTIONS

MODULAR FAST® PROCESS WASTEWATER TREATMENT SYSTEM

The Modular **FAST**® process is a treatment system specifically designed to accommodate constant fluctuations encountered by small-flow, on-site municipal applications.

Flow Capacities:
5000-1MGD



Modular FAST® On-Site Treatment System

FACTORY-BUILT FAST® PROCESS WASTEWATER TREATMENT SYSTEM

The Factory-Built **FAST**® process is ideal for nutrient removal for applications containing high levels of nitrogen. This system arrives at the job site as complete factory-built units or as large components for easy field-assembly.

Flow Capacities:
2,000 GPD-100,000 in a single train



Factory-Built FAST® On-Site Treatment System

ADDIGEST® WASTEWATER TREATMENT PLANT

The **ADDIGEST**® is a rectangular extended aeration system with integral process operations, including nutrient removal. This customizable package system is available in factory-built and field-erected models.

Flow Capacities:
1,000 GPD - 125,000 GPD



Factory-Built ADDIGEST® WWT Plant

BIOFICIENT® WASTEWATER TREATMENT SYSTEM

The BioFicient pre-engineered treatment system reduces biosolids wasting and handling requirements through the use of a Bio-Reducer zone and a series of Calorie Reducer zones.



BioFicient® Aeration System

TREATMENT SOLUTIONS

BIOMIXER® WASTEWATER TREATMENT SYSTEM

The BIOMIXER is an aeration and mixing system that integrates the efficiency of fine bubbles diffusion with tremendous mixing capability in a single pre-engineered apparatus.

Flow Capacity:
Project-dependant



BIOMIXER® Wastewater Treatment System

OXIGEST® WASTEWATER TREATMENT SYSTEM

The **OXIGEST**® is a concentric tank design for large flow applications. This proven design offers stable operation and combined unit processes in a space-efficient footprint.

Flow Capacities:
75,000 GPD - 5 MGD (single unit)



Model R OXIGEST® Treatment System

TITAN MBR™ MEMBRANE BIOLOGICAL REACTOR

The **TITAN MBR**™ marries the wastewater treatment engineering expertise of S&L with submerged membrane technology, producing high-quality effluent for process water re-use.

Flow Capacities:
5,000 GPD - 5 MGD



TITAN MBR™

PISTA® GRIT REMOVAL SYSTEM

The S&L PISTA Grit Removal System utilizes a true vortex with toroidal flow patterns to capture the grit. Features like the **V-FORCE**™ Baffle, axial flow propellers and grit fluidizing vanes are standard features of the PISTA. These features aid in the 95% removal efficiencies of grit 50 mesh down to 140 mesh in particle size.

Flow Capacities:
0.5 - 100 MGD per unit



PISTA® Grit Removal System

COMPONENT SOLUTIONS

STEEL CLARIFIERS

BRIDGE MOUNTED OR CENTER PIER

S&L offers a full variety of process designs and sizes backed by experienced field-erection service. Solids-contact, center feed, peripheral feed and hopper packages are available.

Diameter Ranges:

8' - 120'



CLAR-I-VATOR® Solids Contact Clarifier

FILTRATION EQUIPMENT

PROCESS WATER FILTRATION

Pre-engineered systems available for a variety of water, wastewater and process applications. Membranes, pressure filters, depth filters and multimedia filters are available.

Flow Capacities:

Project Dependant



FIBROTEX® Fine Particle Filter

PUMPING SOLUTIONS

FORMULA X® AND CLASSIC

WET WELL MOUNTED PUMP STATIONS

Above-grade pump stations fit virtually any non-clog pumping application. Choose a standard design or customize your pump station with optional control packages. Pump sizes from 4" to 12".

FORMULA X® Flow Capacities:

75 GPM - 1,300 GPM up to 500' TDH

Classic Flow Capacities:

75 GPM - 3,000 GPM up to 500' TDH



FORMULA X® Wet Well Mounted Pump Station

CAPSULAR®

PUMP STATION

The pre-engineered **CAPSULAR®** handles large flows while providing a comfortable work environment. Available in flooded-suction (buried) and suction lift (above-grade) configurations.

Flow Capacities:

50,000 GPM up to 500' TDH



CAPSULAR® Pump Station

VISIT US ON THE WEB OR CALL US TODAY TO LEARN
MORE ABOUT OUR PUMPING & TREATMENT SOLUTIONS!

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