

ADDIGEST®

Planta Pre-Fabricada de Tratamiento de Aguas Residuales



Smith & Loveless Inc.



Factory-Built ADDIGEST® Delivers Economical Wastewater Treatment

The factory-built **ADDIGEST®** is an aerobic wastewater treatment system designed for both municipal and industrial applications. The trade name **ADDIGEST®** is derived from “add-on-digestion” and attests to the versatility of this system. It offers treatment from basic BOD and TSS removal to nutrient removal and advanced treatment arranged in a single factory-built tank.

Design Flexibility

- Customize the system for any level of treatment, ranging from basic BOD removal to advanced treatment suitable for water reuse.
- Handles treatment for extended aeration loadings up to 56,000 gpd (212 cmd) in a single manufactured tank. For larger capacities, see Factsheet 1246-2, which features the field-erected **ADDIGEST®** wastewater treatment system.
- Add either hopper bottom type clarifiers or all steel circular clarifiers with rotating sludge collectors.
- Choose either above or below grade installation.
- Meet space requirements with end-to-end or side-by-side installation, ensuring an efficient footprint for multiple tank installations.
- Simplify restrictive shipping limitations with the availability of component and weld together units.

The Benefits

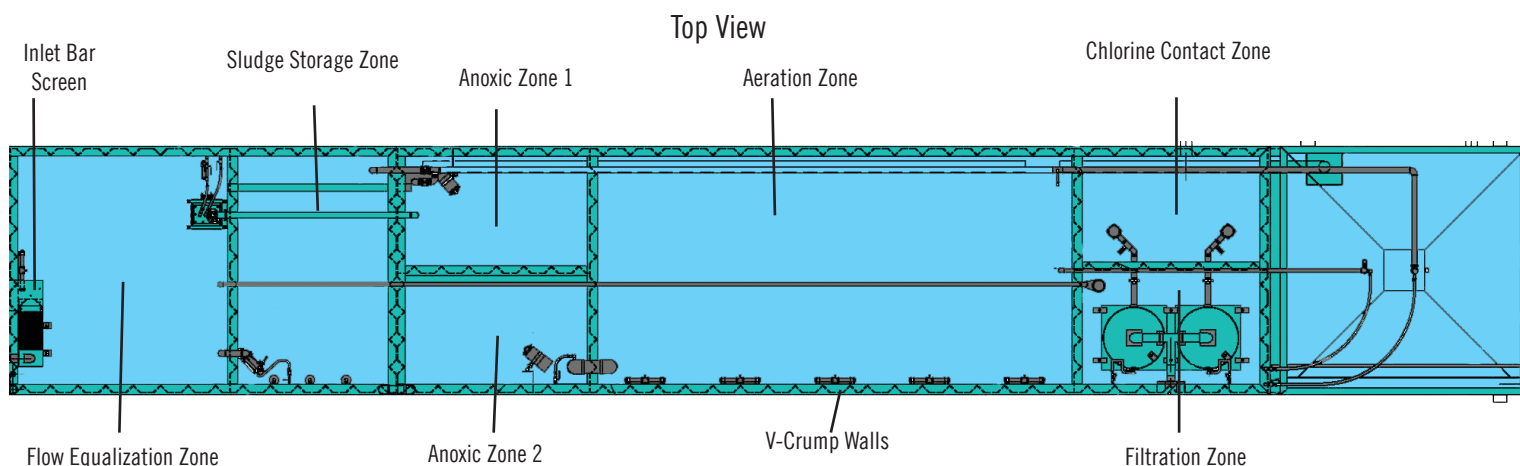
- Design offers virtually unlimited capacity and wastewater treatment capabilities.
- Design makes the factory built **ADDIGEST®** easy to install and operate with little routine maintenance.
- Inspection occurs on every factory built **ADDIGEST®** prior to shipment, ensuring quality.
- V-crimped structural walls create greater volume per unit-dimension than a circular cross section, reducing corrosion compared to plants with I-beams for structural reinforcement.
- V-crimp also provides greater rigidity and economy in manufacturing, while minimizing weight.
- **VERSAPOX®** coating on all surfaces ensures the best resistance against corrosion and abrasion.



The ADDIGEST® proves itself in hundreds of installations.

Factory-Built ADDIGEST® Provides Versatile Treatment Options

Various treatment configurations can be achieved with the versatile factory-built **ADDIGEST®** to meet particular effluent requirements — ranging from pretreatment to effluent water reuse. The factory-built **ADDIGEST®** also comes in full hopper clarifier and circular clarifier configurations. For membrane additions, request S&L bulletin 4000 for **TITAN MBR®**.



Add-On-Digestion

Flexibility is the key to the factory-built **ADDIGEST®**. The basic system comes equipped with an aeration zone and a clarifier. To this, several components can be added to meet effluent requirements including:

- Flow Equalization
- Sludge Storage
- Filtration
- Disinfection (Chlorination or UV)
- Post Aeration
- Dechlorination
- Nutrient Removal (Nitrogen and Phosphorus)
- Nitrification

Additional System Benefits

- Electrical controls and instrumentation, air blowers, walkways, grating, access ladders and other accessories are readily available to provide a complete installation.
- Installation ready, the factory-built **ADDIGEST®** can be installed upon arrival, reducing standard delivery time, erection time and installation costs.
- Smith & Loveless provides single-source responsibility, from design and process engineering to manufacturing and installation.



*Earth-insulated, this factory-built **ADDIGEST®** is installed below grade, as shown above.*



*Multi-train factory-built **ADDIGEST®** installations are available, as seen in this picture.*