



Flexible ADDIGEST® Package Plant Delivers Economical Wastewater Treatment

The factory-built **ADDIGEST®** aerobic wastewater treatment system derives its name from “add-on-digestion”, attesting to the versatility of this system designed for both municipal and industrial applications. **ADDIGEST®** configurations range from extended aeration for BOD and TSS removal to biological nutrient removal [BNR] advanced treatment arrangements for more stringent permits.

Design Flexibility

- Customize the **ADDIGEST™** system for any level of treatment, ranging from simple BOD/TSS removal to advanced BNR.
- Handles treatment for extended aeration loadings up to 56,000 gpd (212 cmd) in a single manufactured tank. Field-erected **ADDIGEST®** models are available for larger capacities.
- Clarifier options include hopper bottom type clarifiers or separate 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 most-efficient footprint for multiple tank installations.
- Simplify restrictive shipping limitations with the availability of component and weld together units.

Benefits

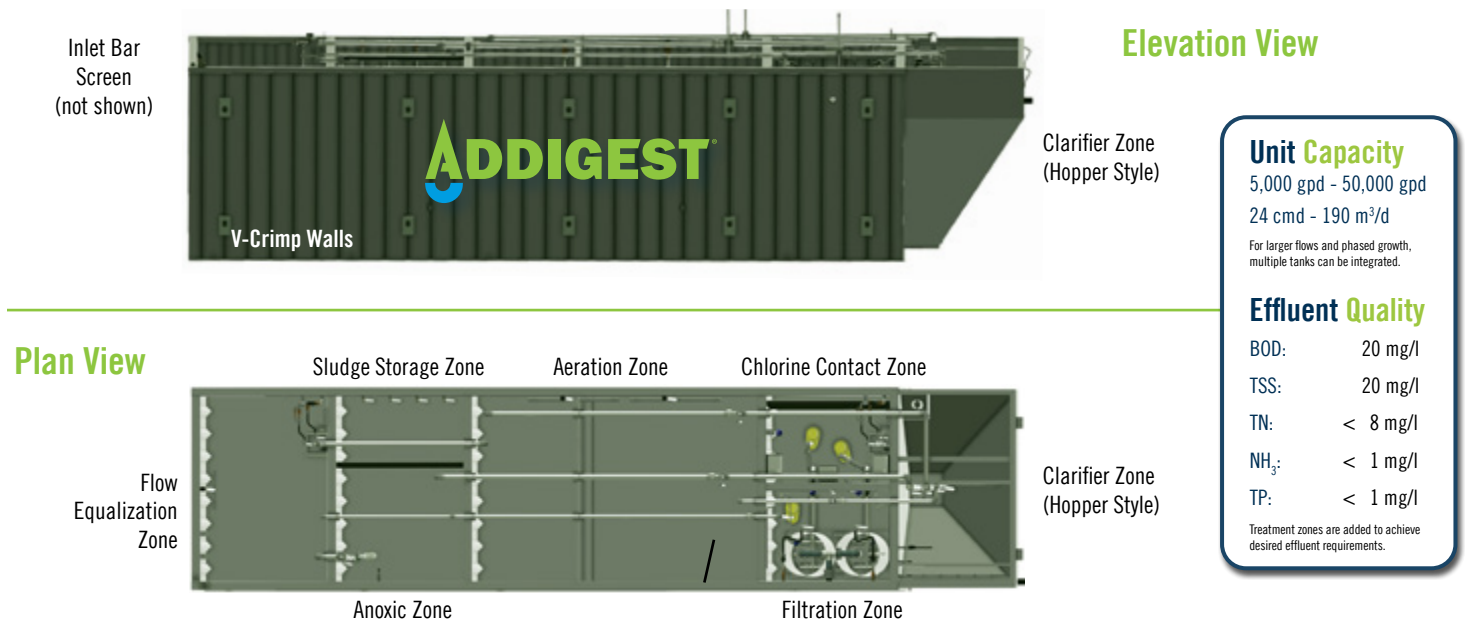
- Design makes the factory built **ADDIGEST®** easy to install and operate with little routine maintenance.
- Rigorous inspection occurs on every factory-built **ADDIGEST®** prior to shipment, ensuring quality fabrication.
- V-cripped structural walls create greater volume per unit-dimension than a circular cross section, reducing corrosion compared to plants with I-beams for structural reinforcement. It also provides greater rigidity and economy in manufacturing, while minimizing weight.
- **VERSAPOX®** coating on all surfaces ensures the best resistance against corrosion and abrasion. Optional stainless steel construction is also available, including internals and walls.
- Design offers various capacities and treatment capabilities when integrated—allowing for phased expansions over time.



ADDIGEST® plants can be integrated for larger capacities.

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 hopper clarifier and circular clarifier configurations. For membrane zone / MBR configurations, Smith & Loveless offers the **TITAN MBR™** treatment system [see Brochure #4400].



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
- Tertiary Filtration
- Post Aeration
- Disinfection (Chlorination or UV)
- 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.

Standard Options

- Stainless Steel Tank and Internals
- Internal Anodes
- Covers & Odor Control Packages
- **QUICKSMART™** Touchscreen Controls
- Blower Pressure & Air Flow Monitoring
- Smart Plant:
Automatic Operation and Instrumentation Packages

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

