



Commercial Product Catalog



ENGINEERING AND DESIGN SERVICES

Integrated, Decentralized Solutions Solving Wastewater Infrastructure Needs



PROJECT DESIGN



PROJECT MANAGEMENT



PROJECT SUPPORT

For more information
about our commercial
services division, please
call (800) 221-4436.

Infiltrator Water Technologies and Orenco Systems provide integrated systems that help developers, engineers, municipalities, and owners move projects from concept to operation with greater confidence.

Wastewater infrastructure is one of the most critical components of land development or commercial construction. Site constraints, permitting requirements, installation costs, and long-term performance can all impact project viability, schedules, and budgets.

Experienced teams from Infiltrator Water Technologies and Orenco Systems provide project management, technical design support, regulatory assistance, and ongoing support for the specification of wastewater infrastructure.

Engineering and Design Support: In-house design and engineering consultants help work out the specification details of your wastewater treatment project.

Project Management: Dedicated project managers help keep stakeholders aligned, schedules on track, and project milestones moving forward.

Regulatory Support: Our government relations team helps navigate permitting requirements.

Budget Development: We provide budgetary quotes for your wastewater treatment system throughout the process.

System Start-up: Experienced staff will be there to ensure everything turns on and operates as designed.

Operations and Maintenance Support: Our technical support teams are available to help owners, operators, and service providers throughout the life of the system.



Complete, Integrated Solutions for Commercial and Municipal Wastewater



COLLECTION



TREATMENT



DISPERSAL



**CONTROLS
& COMPOSITES**

From first flow to final dispersal.

Infiltrator Water Technologies and Orenco Systems provide integrated wastewater solutions across the entire treatment train, from collection and primary treatment to advanced treatment and final dispersal. Together, we deliver the products, expertise, and support needed for reliable, high-performance systems.

Driven by innovation, our people and technologies help customers meet evolving environmental and regulatory requirements, making us a leader in sustainable wastewater systems.

With more than 40 years of industry experience, a global support network, and comprehensive training resources, Infiltrator and Orenco are a trusted, unified source for wastewater collection, treatment, dispersal, controls, and composites.

We are committed to helping customers protect and manage one of the world's most valuable resources.

Our Reason Is Water[®]

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infiltratorwater.com
orenco.com





Collection

Efficient effluent collection systems are the foundation of reliable commercial wastewater treatment. Available in a range of sizes, our tank technology offers trusted engineering and unmatched collection and treatment at a range of price points.



Infiltrator Tanks

Lightweight and durable, CM- and IM-Series Tanks offer a revolutionary improvement in thermo-plastic septic tank design, including exceptional long-term strength and watertightness. Tank options include 300, 540, 1060, 1250, and 1530 gallons (113 2044, 4013, 4732, and 5792 liters).

Ideal for:

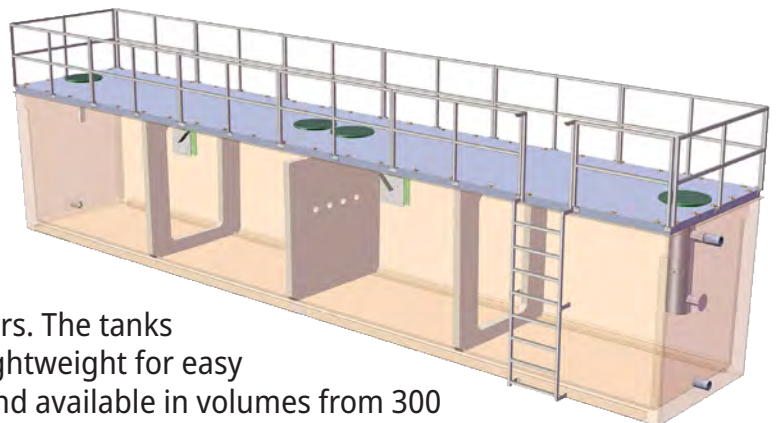
- Septic tanks
- Pump tanks
- Non-potable water tanks

Ideal for:

- Potable and non-potable water storage
- Wastewater storage and settling
- Primary treatment
- Sludge storage
- Chemical storage
- Installation either above or below ground
- Mobile or permanent sites

T-Max Liquid Storage Tanks

Our T-Max Tanks can be configured for any application, with options like pump systems, integrated controls, and multiple chambers. The tanks are strong but lightweight for easy transportation and available in volumes from 300 to 15,000 gallons (1136 to 56,781 liters).





Collection

In a liquid-only sewer, on-lot tanks separate solids and passively treat wastewater so only the filtered effluent is pumped out via small-diameter pipes. These systems integrate pumping, filtration, and storage to reduce excavation, lower costs, and improve secondary treatment efficiency.



ProSTEP System

Combining Infiltrator's durable ProSTEP Tank with an Orenco Biotube ProSTEP Pump Package, the ProSTEP System collects, screens, filters, and pumps liquid-only effluent to final treatment. While solids remain in the on-lot processor, liquids travel through small-diameter, shallow-bury pipes to a sewer main and then to secondary treatment. Sizes include 1060 and 1530 gallons (4013 and 5792 liters).

Ideal for:

- Commercial projects
- Staggered build-outs
- Subdivisions
- Small communities
- Rural developments



Prelos Processor

As the core of a Prelos (Pressurized Liquid-Only Sewer) system, the Prelos Processor collects wastewater inside a patented meander tank. Solids stay in the tank for passive primary treatment, while liquid effluent is filtered and transported to secondary treatment by small-diameter pressurized sewer lines. Sizes include 1000 or 1500 gallons (3785 or 5678 liters).

Ideal for:

- Subdivisions
- Commercial properties
- Sewer expansions
- Septic tank abatement
- Ecologically sensitive areas
- Municipal systems



Treatment

Effective secondary treatment transforms commercial wastewater into processed, managed effluent ready for further treatment or dispersal. Our treatment technologies include packed-bed filtration, moving bed biofilm reactors, and activated sludge—all designed for performance and reliability.



AdvanTex AX100



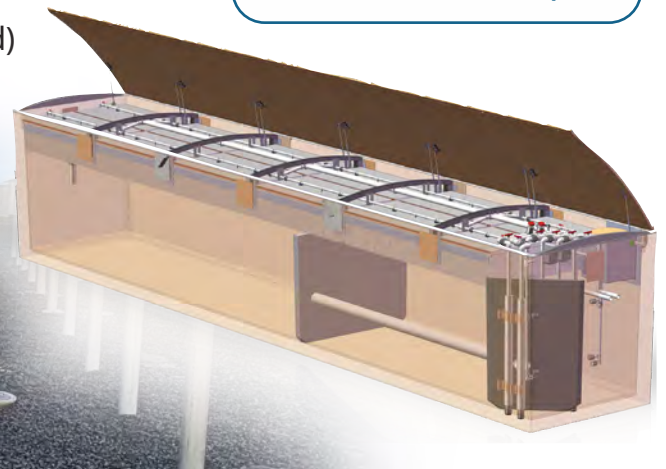
The AdvanTex AX100 Treatment System is a proven technology for achieving better-than-secondary treatment standards, including nitrogen reduction. It consists of a watertight basin filled with a lightweight, highly absorbent, engineered textile media that treats high volumes in a small footprint. A single unit can treat residential strength wastewater of up to 2500 gpd (9464 L/d) average flow and 5000 gpd (18,927 L/d) maximum flow.

Ideal for:

- Subdivisions
- Hotels and resorts
- Schools and churches
- Businesses
- Manufactured home and RV parks
- Campgrounds
- Rest areas, truck stops

AdvanTex AX-Max

For large-flow applications, the AdvanTex AX-Max Treatment System consists of a sturdy, watertight fiberglass tank that incorporates recirculation-blend and discharge tankage in a single module. Each complete, premanufactured unit also includes pumping systems, ventilation, and lightweight, highly absorbent, engineered textile media. A single unit can treat residential strength wastewater of up to 7500 gpd (28,391 L/d) average flow and 15,000 gpd (56,781 L/d) maximum flow.

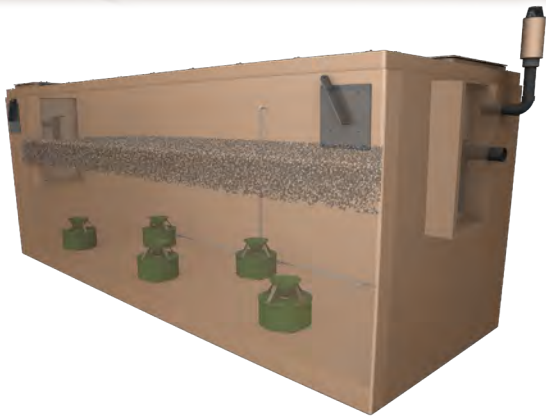
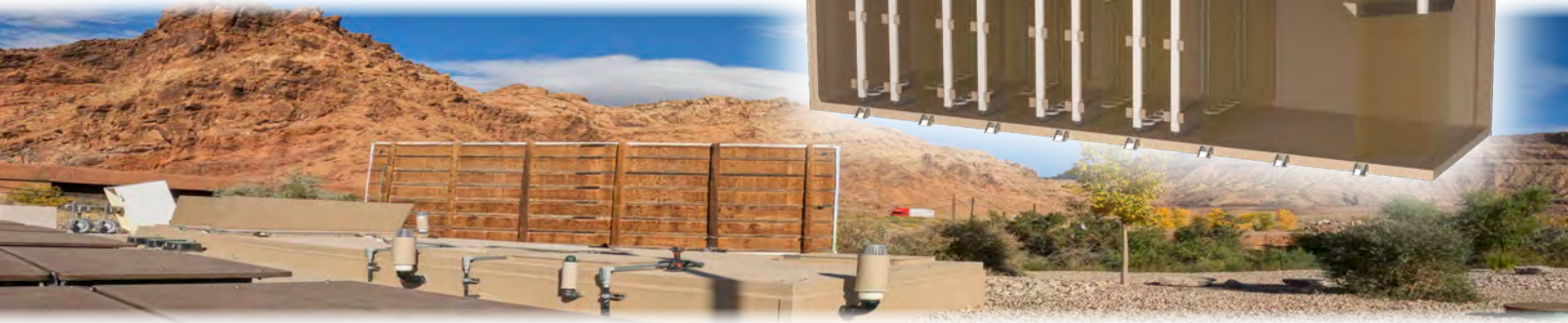




Treatment

OmniMax-A

Engineered for high-strength waste applications, the OmniMax-A moving bed biofilm reactor (MBBR) uses aeration to remove BOD/TSS and ammonia, meeting strict treatment requirements without producing high levels of activated sludge. The system allows maintenance without media removal and provides year-round process control. A single unit handles flows up to 200,000 gpd (757,082 L/d).



OmniMax-D

For projects with strict nitrogen limits, the OmniMax-D moving bed biofilm reactor reduces up to 85% of nitrates in wastewater. An OmniMax-D provides treated effluent with pre- and post-anoxic denitrification for flows up to 100,000 gpd (378,541 L/d), meeting stringent discharge limits as low as 10mg/L total nitrogen.

Ideal for:

- Schools
- Campgrounds, RV, and trailer parks
- Commercial high-strength waste applications, like fast-food restaurants
- Apartment complexes and subdivisions
- Retail stores
- Office buildings
- Small towns and rural communities
- Lagoon replacement/enhancement

ECOPD Commercial

The ECOPOD Commercial Advanced Wastewater Treatment Unit is a fixed-film system designed to significantly reduce nitrogen, BOD, and TSS. It uses engineered plastic media to house the bacteria that break down waste, and with no moving parts inside the tank, O&M is easier. It treats flows of 1500 to 100,000 gpd (5678 to 378,541 L/d).





Treatment

ENVIRO-AIRE Package Treatment Plant

The ENVIRO-AIRE treatment solution is designed for permanent or temporary use in areas outside municipal sewer. Each plant is designed for a customer's particular sewage treatment needs, custom built at the factory, and shipped to the project site as a self-contained unit requiring minimal assembly. Plants

typically treat flows of 3000 to 250,000 gpd (11,356 to 946,352 L/d) but can be designed for higher limits as needed.

Ideal for:

- Housing developments and neighborhoods
- Motels and hotels
- Schools
- Hospitals
- Resort areas
- Apartment complexes
- Highway rest areas
- Prisons
- Industrial facilities
- Power stations
- Mobile home parks
- Vineyards

Advanced Enviro-Septic



Our patented AES system combines treatment and dispersal in the same small footprint, removing up to 99% of wastewater contaminants without using any electricity or replacement media. AES treats residential wastewater to Class I levels but is cost effective and simpler to install and maintain than similar systems.



Dispersal

For safe and effective effluent dispersal, we offer recycled plastic solutions that are engineered to improve dispersal and provide greater storage capacity and increased sidewall infiltration area than other methods.



EZflow

The Infiltrator EZflow septic system is an environmentally friendly option designed to improve drainfield performance by eliminating fines and reducing the compaction and embedment associated with stone. Preassembled units include a perforated drain pipe of 3 or 4 inches (76 or 102 mm), surrounded by aggregate and held in place with durable, high-strength netting.

Benefits:

- Easy installation with as few as two laborers and excavation equipment
- Easy access to drainfield with no site disruption (inspection port option)
- Overall reduced cost

Chambers

Chambers are among the most widely approved and specified leachfield components for septic systems.

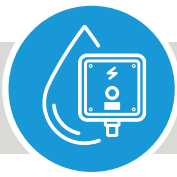
Benefits:

- Lightweight components
- Reduced system footprint
- Design flexibility
- Fast installation
- Broad regulatory approvals
- Proven performance

Their lightweight, quick-connect design reduces installation time and labor compared to stone and pipe systems. Chamber leachfields can be scaled for residential



systems or larger commercial applications. Models include Quick4, Quick5, Arc, and an H-20 traffic-rated chamber designed to support wheel loads of 16,000 lbs (7257 kg) per axle.



Controls and Composites

Orenco Controls™ has an in-house manufacturing facility for building the most effective and efficient solutions for all one-off, repeat, and brand-labeled control panel needs. Orenco Composites™ builds high-quality, fiberglass-reinforced buildings for many industries, including water and wastewater, power utilities, and transportation.

Benefits:

- Certified quality control and testing
- Scalable manufacturing capacity and tooling
- Established manufacturing and safety procedures
- Proven track record in industrial automation
- Expert electrical engineering and support
- Comprehensive wiring and technical documentation

PLC Custom Control Panels

Used for controlling one or more pumps in onsite septic systems and effluent pumping systems, these digital, programmable panels offer several standard functions, including remote telemetry and control, data logging, elapsed time meters, digital indication of float switch status, different signals for varying alarm conditions, and the ability to use one type of float switch for all functions.



DuraFiber Fiberglass Buildings

Designed for strength, durability, and convenience, DuraFiber buildings are made from high-quality, fiber-reinforced polymer (FRP). They're corrosion, UV, and impact resistant. They're molded with integral walls and roofs for single-piece, leak-free construction. And they range in size up to 50 feet long, 40 feet wide, and 11 feet high (15.2 meters long, 12.2 meters wide, and 3.4 meters high).



Ideal for:

- Lift station controls
- Chlorination equipment storage
- Motor control centers
- Power distribution centers
- Process and monitoring equipment
- Communication equipment
- Generator housing and sound attenuation
- Chemical feed and storage

CASE STUDIES



LOCATION

Arlington, WA: Angel of the Winds RV Park

SIZE

28,800 gpd (109,020 L/day)

USE

This RV park with 180 potential sites needed a wastewater solution for variable flows, high-strength wastewater, and limited dilution sources.

PROBLEM

The park needed a complete wastewater treatment system to meet nitrogen and loading regulation challenges even under worst-case conditions.

SOLUTION

Engineers planned a system that combines robust pretreatment with advanced biological treatment. By incorporating upstream aeration and clarification ahead of a three-stage Orenco treatment train, the system provides reliable, high-performance treatment with exceptional nitrogen removal.

LOCATION

Devola, OH: Municipal Rebuild

SIZE

72,600 gpd (274,821 L/day)
average flow

USE

This unincorporated community of 2700 people in Ohio needed to replace 561 failing septic systems and allow for 500 future connections.

PROBLEM

As the community sought solutions, various logistical and financial challenges resulted in decades-long project delays.

SOLUTION

After a liquid-only sewer solution was chosen, crews began to install Prelos Processors at each home site and connect them to existing gravity sewer lines via low-impact directional boring. While the solids break down in the Processor, liquids flow to a nearby treatment facility for final treatment.



LOCATION

Geraldine, AL: Rural Town

SIZE

60,000 gpd (227,125 L/day)

USE

This town of 1100 people sought a system to treat its domestic wastewater to a Class 1 treatment level followed by subsurface dispersal.

PROBLEM

Challenges included meeting high treatment limits that allow for subsurface dispersal, and managing fluctuating flows and varying temperatures.

SOLUTION

System designers selected an ECOPOD® Advanced Wastewater Treatment Unit with a subsurface dispersal field. Each home was equipped with a septic tank effluent pump (STEP) system. Inside the tank, thriving bacteria break down the sewage and make it safe to discharge.



Distributed By:

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