



AdvanTex[®] Treatment Systems

AX100

Manufactured by **Orenco Systems**[®], Inc



Typical Commercial and Community Applications

- Campgrounds, RV parks
- Office buildings, condos
- Gas stations, truck stops
- Schools, churches
- Resorts, restaurants
- Small subdivisions
- Tight lots, site constraints
- Stringent permit requirements

SIMPLE, SUSTAINABLE
WASTEWATER TREATMENT

AdvanTex AX100 Treatment System

Why AdvanTex AX100?



SIMPLE

Easy to install, operate, and maintain.



AFFORDABLE

Low life-cycle costs, designed for your budget.



ADAPTABLE

Built to grow with you and meet regulations.



TRUSTED

Backed by Orenco's decades of expertise.

Let us make wastewater management easy
– so you can get back to what matters.

Focus on Growth, Not Wastewater

Your goal is to create a thriving space for your customers, tenants, or guests. But when wastewater problems arise, they can stop you in your tracks.

Need advanced treatment?

Discovering you need a more complex wastewater treatment system than initially thought can leave you wondering how to meet tough regulations.

And a hassle-free fix?

You want a solution that lasts without constant headaches, but you may not know what options are available or how to choose between them.

What's the best pick?

With so many options floating around, choosing the right one can feel like a guessing game.



An AdvanTex AX100 handles average daily flows of 1000 to 20,000 gallons per day (3785 to 75,708 L/day) and can also be installed in multi-unit arrays to treat larger flows.

AdvanTex AX100 Treatment System



In Tomarata, New Zealand, 17 tourist cottages are served by an AdvanTex AX100 Wastewater Treatment facility that produces effluent clean enough to be discharged into the local sand hills. More than 55,000 AdvanTex units have been installed around the world. Photo courtesy of Innoflow.

A Simple Path Forward

Knowing the right questions to ask is the first step toward choosing a wastewater treatment technology.

Ensure Your Return on Investment

- How much will this system cost me to operate every year?
- What are the long-term, life-cycle costs of this system?
- Which system can I rely on to avoid shutdowns and bad odors that will hurt my business?

Keep It Sustainable

- How long will the main components (tanks, pumps, treatment media, and controls) last?
- How hard is it to replace these components, and what do they cost?
- Can this system be expanded as my business or property needs grow?

Meet the Requirements

- How do I know if I need advanced wastewater treatment?
- Can this system meet the regulations and be adapted to a change in regulations?
- How do I avoid costly regulatory fines?

Know Who to Trust

- Does this system's manufacturer have a long, successful track record?
- How many systems has this manufacturer sold and installed?
- What product support will this manufacturer provide me after the sale?

No Guesswork

With Orenco Systems, you don't have to guess. We've thought through all the problems, so you don't have to. Our time-tested systems protect your investment by ensuring you don't face costly repairs, fines for noncompliance, or unnecessary complications.

At Orenco, we provide simple solutions that last. Whether you're in the early planning stages or need ongoing support following your installation, we're here to ensure that your system runs smoothly, year after year.

WHY CHOOSE ORENCO?

- Over 40 years in the wastewater business
- Expert staff to guide you through every decision
- Comprehensive support from design to long-term maintenance
- A reputation for excellence and reliability

WHY CHOOSE ADVANTEX?

- Minimal operation and maintenance needs
- Low life-cycle costs for a strong return on investment
- Technology built to grow with you and meet regulatory changes
- Peace of mind through consistent, reliable performance



AdvanTex AX100 Treatment System

Carefully Engineered by Orenco

With a deep respect for the environment and a long tradition of innovative problem-solving, Orenco designs and builds the world's best decentralized wastewater systems with pride in Southern Oregon. Our products help ensure the health and safety of people, neighborhoods, and communities everywhere by protecting the world's water.

We maintain an environmental lab and employ dozens of civil, electrical, mechanical, and manufacturing engineers, as well as wastewater treatment system operators. Orenco's technologies are based on sound scientific principles of chemistry, biology, mechanical structure, and hydraulics.

Founded in 1981, Orenco has become an industry leader, with about 400 employees and some 330 points of distribution around the world. Our systems have been installed in more than 70 countries.



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Use the AX100 for Properties Like These ...

RESORTS

A new luxury resort was planned for a scenic location just outside the small Greek village of Paliouri. With no city sewer available, the investors needed a decentralized wastewater treatment system. The system would have to consistently meet regulatory discharge limits, allow for future expansion, and offer low life-cycle costs. It would also need to operate with minimal odor or sound, so as to go unnoticed by guests. Investors chose an AdvanTex AX100 Wastewater Treatment System because it met each of the key project requirements: reliability, expandability, and low operation and maintenance costs. And now, according to the resort's maintenance manager, "the system operates 24/7, with no sound or odor."



RECREATIONAL AREAS

In late 2008, officers with the U.S. Army Corps of Engineers needed to replace or repair a failed sand filter, which treated wastewater at a recreation area in Georgia. The Corps needed a reliable wastewater treatment system that would work well despite a wide variation in seasonal wastewater flows. Officers selected an AdvanTex AX100 Wastewater Treatment System for its reliability and outstanding performance. The AX100 uses an engineered textile as the filter media, eliminating the need to find a source for a particular grade of replacement sand. As an added benefit, the AX100 units could be installed directly on top of the sand filter, so it wasn't necessary to dispose of the existing sand. The project went from design to completion in just 120 days.



SCHOOLS

A rural elementary school in North Carolina replaced its activated sludge plant with an AdvanTex AX100 Wastewater Treatment System, which offered not only superior performance but also much better aesthetics – no noisy blowers needed for aeration and no smelly, open-air tanks that would distract from school activities. The AX100 units will save the school a great deal on operation costs due to their reliability and ease of maintenance. In North Carolina, operator visit requirements can be reduced by as much as 80% when switching from activated sludge treatment to AdvanTex. After passing through the AdvanTex system and UV disinfection, the resulting effluent is clean enough to be safely discharged to a local trout stream. *Photo courtesy of AQWA.*



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