

A Lifecycle Performance Company



Water Treatment Solutions for Food and Beverage Processors



Total Solutions for Food & Beverage Processing

For food and beverage processing, Envirogen provides 'end-to-end' water solutions— delivering programs for incoming water treatment, process water treatment, water recycle & re-use applications and wastewater treatment. We offer expertise in problem analysis, process design & engineering and a proprietary portfolio of treatment technologies.

Our system installations are supported with start-up assistance, cost-assurance programs and operations, maintenance and financing options that deliver guarantees for performance and life of installed systems. The overall mission of Envirogen in the food & beverage industries is to help companies improve the quality of their water, reduce their water footprint and achieve compliance and sustainability goals – all at the lowest lifecycle cost.



End-to-End Sustainable Solutions:

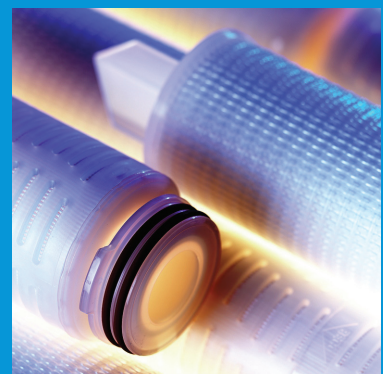
- Chemical processing
- Incoming water treatment
- Process water treatment
- Ultrapure water production
- Water re-use & recycle
- Water footprint reduction
- Wastewater treatment
- Odor control
- Cartridge filtration solutions
- Operating services

At Envirogen, our vision is straightforward – to be the industry leading water, wastewater and process filtration provider using sophisticated technologies backed by expertise and service.

It is our goal to help our customers solve complex challenges related to water availability and quality, to increase productivity, reduce costs and help meet environmental regulations and sustainability targets, through innovative solutions that deliver consistently reliable performance at the best lifecycle cost.

Why work with Envirogen?

- End-to-End Water Solutions
- Process Engineering Expertise
- Leading-Edge Technologies
- Tailor-Made Solutions
- Lifecycle Cost Assurance Programs
- Temporary & On-Going Solutions
- Expert Operating Services
- Design/Build/Operate Options



Solutions Throughout Your Facility



Incoming Water Treatment

Treating and filtering water at the incoming stage is fundamental to the efficiency of the process further downstream. Raw water can be treated by a number of technologies, depending on your application.

- Multimedia filtration solutions
- Adsorption: carbon & high-efficiency media
- Ion exchange & demineralization
- Cartridge filtration
- Disinfection & sterilization including UV
- Softening
- Membrane technologies including ultrafiltration & reverse osmosis



Process & Reuse Water Treatment

Within your facility, process water treatment can ensure consistency, sterility, shelf-life and clarity. It's at this stage that some process water used can be recovered for re-use – helping you reduce water footprint and achieve sustainability targets.

- Membrane technologies including crossflow microfiltration, ultrafiltration & reverse osmosis
- De-aeration systems
- Disinfection and sterilization such as UV
- Cartridge filtration systems & consumables



Wastewater Treatment

Whether your goal is to meet permit requirements, reduce costs or water footprint, Envirogen offers a broad portfolio of technologies for the discharge phase of your facility.

Advanced Wastewater Treatment

- MBR (membrane bioreactor)
- Anaerobic & aerobic treatment
- FBR (fluidized bed reactor)
- SCR (suspended carrier reactor)
- Recycle water systems
- Rinse water recovery

Conventional Wastewater Treatment

- DAF (dissolved air flotation)
- Phys-chem treatment
- Coagulation & sedimentation
- Direct filtration



Filtration Solutions

Envirogen supplies filter cartridges, bag filter systems and replacement filters using a wide range of depth and membrane filter media, with filtration ratings from 0.05 micron microbial to 1200 microns. These are used as prefilters, final filters and sub-micron membrane filters. Sanitizable systems and filters are also available.

Envirogen Integrated Operations Services

Sophisticated Solutions for Complex Operating Environments

Envirogen's experience with water treatment technologies has allowed us to develop a knowledge-base that makes us uniquely suited to operate and manage these systems. We offer a range of operations & management solutions with a services scope and program length that are based on the needs of our customers and their facilities. This includes design/build/operate options.

All of Envirogen's operating solutions have the goal of maintaining optimal performance while delivering the best lifecycle cost. We can provide guarantees on our projects – for asset life, for performance and for operating and long-term costs. One of the commitments that Envirogen makes in our long-term partnerships with our customers is continuous improvement – in both operational performance and cost-reduction.

Operations & Facility Management Solutions

- Predictable and guaranteed costs for the lifetime of the asset
- Lower up-front capital cost
- Guaranteed performance and regulatory compliance
- Risk protection via performance and cost guarantees
- Improved budget management
- Cost-effective access to industry specialists
- Continual process improvements



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