



WATER PURIFICATION FOR THE **FOOD & BEVERAGE INDUSTRY**



LENNTECH

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How Can Desalitech Help?



Ingredient Quality Water

Water quality and sanitation are of paramount concern, and Desalitech meets these needs reliably and efficiently.



Record Setting Performance

Desalitech systems recover up to 98% of the water they treat with 4x less maintenance, drastically reduced downtime and up to 35% less energy than competitors.



Praiseworthy Stewardship

Improved water-use helps meet sustainability goals and generates public goodwill.

You're in good company with Fortune 500 brands and leading water users like:



What Can Desalitech Do?

For the Food and Beverage Industry

Desalitech's patented Closed Circuit Reverse Osmosis (CCRO) systems save money, water, and operational headaches. They are the first major innovation in reverse osmosis technology in over 50 years.

PROCESS & INGREDIENT WATER PRODUCTION

Desalitech's patented Closed Circuit Reverse Osmosis (CCRO) technology removes unwanted colors, tastes, odors, contaminants, and particulates to guarantee a continuous supply of safe, pure water for use in the manufacturing process or as an ingredient. Desalitech systems adapt to varying feed waters in real-time, allowing you to use different sources as the situation requires, without delays or down time. Reduced system cleanings – as much as 4 times less – allow for less line downtime due to water system maintenance.

WATER RECOVERY, RECYCLING & REUSE

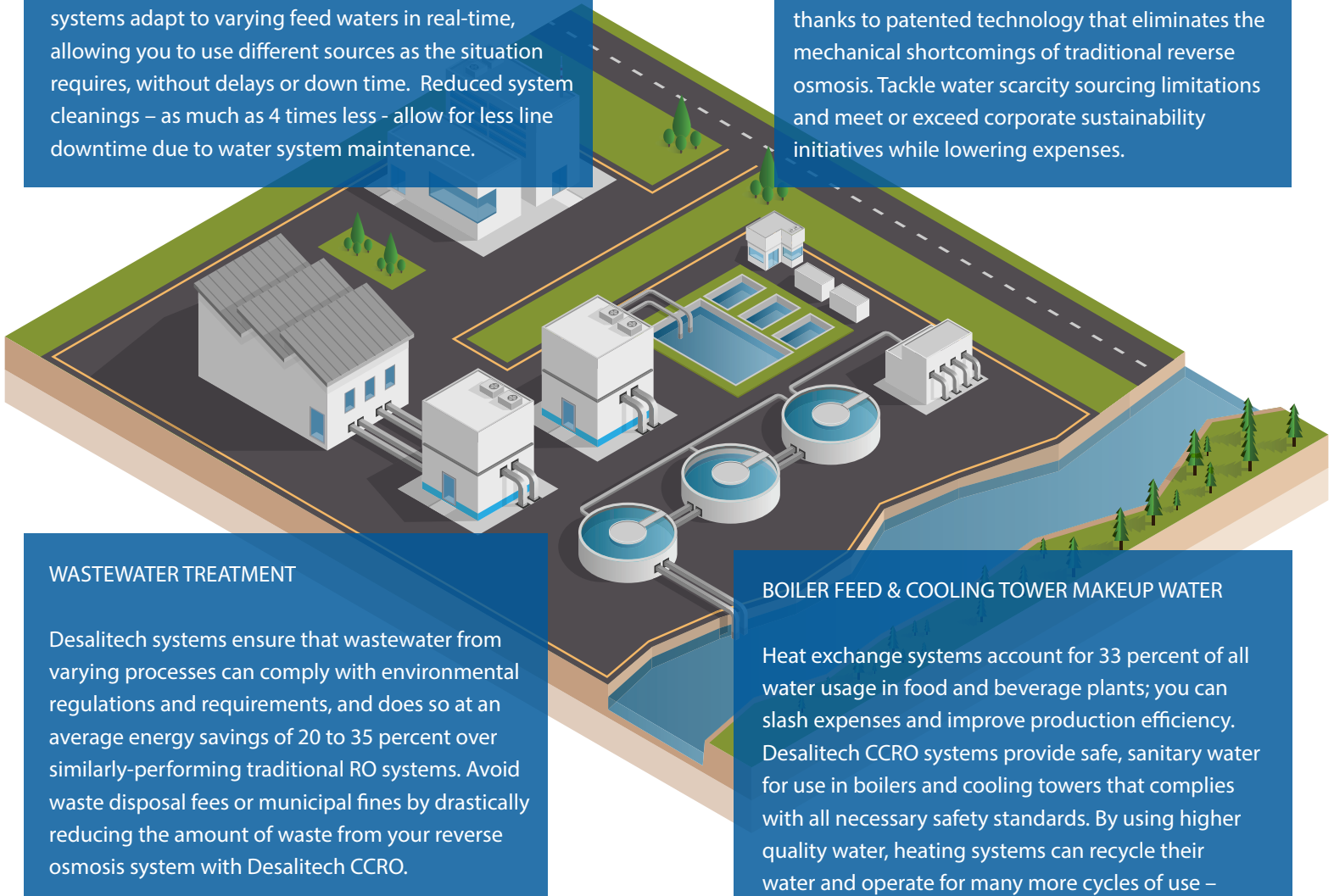
Desalitech systems come with an industry-leading maximum recovery guarantee of up to 98 percent, reducing wastewater by 50 percent to 80 percent thanks to patented technology that eliminates the mechanical shortcomings of traditional reverse osmosis. Tackle water scarcity sourcing limitations and meet or exceed corporate sustainability initiatives while lowering expenses.

WASTEWATER TREATMENT

Desalitech systems ensure that wastewater from varying processes can comply with environmental regulations and requirements, and does so at an average energy savings of 20 to 35 percent over similarly-performing traditional RO systems. Avoid waste disposal fees or municipal fines by drastically reducing the amount of waste from your reverse osmosis system with Desalitech CCRO.

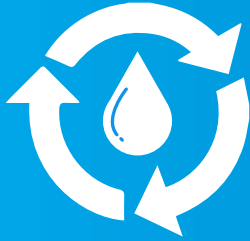
BOILER FEED & COOLING TOWER MAKEUP WATER

Heat exchange systems account for 33 percent of all water usage in food and beverage plants; you can slash expenses and improve production efficiency. Desalitech CCRO systems provide safe, sanitary water for use in boilers and cooling towers that complies with all necessary safety standards. By using higher quality water, heating systems can recycle their water and operate for many more cycles of use – reducing the cost to add/remove heat to the makeup water and the value of the water/disposal itself.



Why Desalitech?

For the Food and Beverage Industry



Maximum Recovery

- Operate your business on less water with unmatched recovery rates up to 98 percent
- Reduce wastewater by up to 85 percent, lowering your environmental impact
- Achieve the maximum return on investment, often in less than a year



Streamlined Maintenance

- Minimize chemical scaling and fouling
- Significantly inhibit biological growth
- Cut downtime and cleaning costs with 4x fewer cleanings required
- Reduce your cleaning time by two-thirds thanks to a single-stage design
- Extend your membrane life



Unmatched Flexibility

- Reduce your energy consumption by up to 35 percent
- Autonomously adapt to changing feed waters and operational needs
- Operate remotely with ReFlex Smart online monitoring, analysis and controls
- Simplify your operation and reduce your complexity

Frequently Asked Questions

You have important questions. We have answers.

What is Reverse Osmosis (RO) purification?

Reverse osmosis is a commonly used form of water purification in the food & beverage industry that utilizes pressure to force water across a semi-permeable membrane, removing a large majority of colors, tastes, odors, particulates, and other contaminants. Traditional reverse osmosis systems are designed using sequential stages, with each stage filtering half of the previous stage's wastewater.

What makes Desalitech's systems different?

Desalitech's ReFlex systems use our patented Closed Circuit Reverse Osmosis (CCRO) process, which combines the principles of simple filtration and traditional reverse osmosis to outperform both. Desalitech systems are capable of unmatched water recovery and energy efficiency, saving time and money.

Additionally, CCRO systems automatically adjust to variations in feedwater quality and changing operational needs. Choosing CCRO can reduce expenses, advance corporate sustainability objectives, and ensure high-quality water from even the most difficult-to-treat sources. Our systems come equipped with software that makes water purification easy, allowing for remote monitoring and the ability to make performance changes from your mobile device or computer.

Do Desalitech's systems meet sanitation standards for ingredient water?

Yes. Desalitech uses NSF certified membranes from reputable manufacturers and our systems can be built to meet the strict sanitation standards necessary in the Food & Beverage industry. Furthermore, our systems are capable of producing the extremely high quality water necessary for ingredient use while still achieving industry-leading water recovery benchmarks.

What if my current Reverse Osmosis system works fine?

"Fine" means there's room for optimization. Desalitech systems recover more water, use less energy — up to 35 percent less — and require up to six times fewer cleanings. They save hours in labor and operational simplicity. Our clients often see a Return on Investment within one year. Let Desalitech's water purification experts help elevate your water purification from "fine" to "great."

What if my company doesn't use a Reverse Osmosis system?

Many organizations have evaluated traditional reverse osmosis systems in the past and rejected them due to their cost and wastefulness. CCRO produces 60-85 percent less wastewater than traditional systems, making it worth a second look. Desalitech systems are extremely versatile, with applications in ingredient water production, boiler feedwater, cooling tower makeup, reuse, wastewater treatment, and more — anywhere clean water is required to meet the strict and unique needs of the food and beverage industry.

What is Desalitech's background & history?

Desalitech holds more than 140 patents in 60 countries around the world for its CCRO technology. We are trusted by some of the largest Fortune 500 companies, and more than 80 percent of systems sold have been to repeat customers. Each system is backed by a full warranty including Desalitech's Maximum Recovery Guarantee.

In 2016, Desalitech won the Breakthrough Water Technology Company of the Year Award by Global Water Intelligence, the industry's leading publication and news source. And as of 2017, industry-leading membrane vendors have incorporated CCRO as a standard option in their modeling software.

This is innovative, industry-changing water technology.
Welcome to 21st Century Reverse Osmosis.



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