

Diversey



Protecting Life.
Together.



Water Treatment Solutions



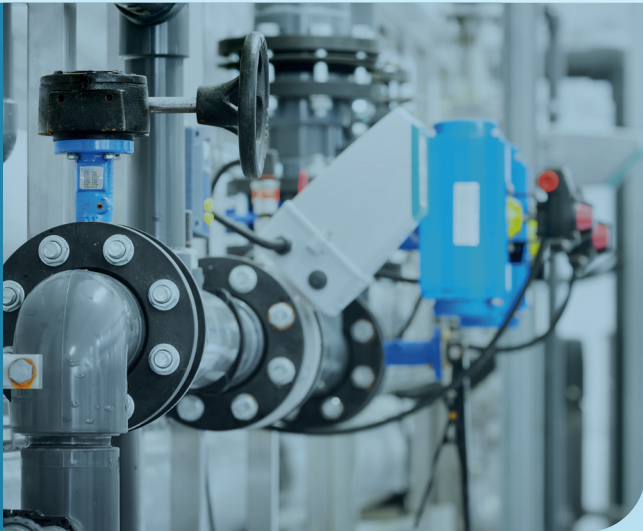
A Complex Challenge That Requires an All-Embracing Trusted Solution

Whether processing, washing, diluting, cooling, or cleaning, water is a necessity in Food and Beverage (F&B) production. The quality of the water is critical for efficiency, consistency, and safety. Ensuring water quality helps to provide safer, more consistent products and protect brands while maintaining profitability and hygiene compliance to stringent regulatory standards.

In partnership, we apply our global expertise to achieve four key goals wherever water is used.

- *To help reduce or reuse the water used in processing.*
- *To achieve sustainability goals and cost savings.*
- *To maintain product quality and compliance.*
- *Protecting asset life*

Our world-class range of technologies, services, and innovative solutions combine specialty chemicals and equipment tailored to the individual needs of each facility to optimize water treatment processes.



We Analyze Every Aspect of Water Use to Create Value

In-person or remotely, we re-evaluate water usage on-site to actively create value. From influent water to wastewater treatment - we protect, enhance and optimize with a broad range of novel and internationally registered chemistries across all the essential process applications of heating, cooling, filtration, hygiene, sterilization, pasteurization, and disinfection.

Our portfolio of water treatment chemistries, services, and solutions are designed for the challenges specific to individual equipment, including boilers, cooling systems, and waste water treatment membranes. In partnership, we can help to optimize quality, reduce consumption and avoid issues that can adversely impact production and resource efficiency. Diversey delivers superior production efficiency, return on asset investment, reductions in OPEX and CAPEX; all aligned with improved compliance and employee protection.

Water Treatment Services and Solutions for Every Operational Aspect

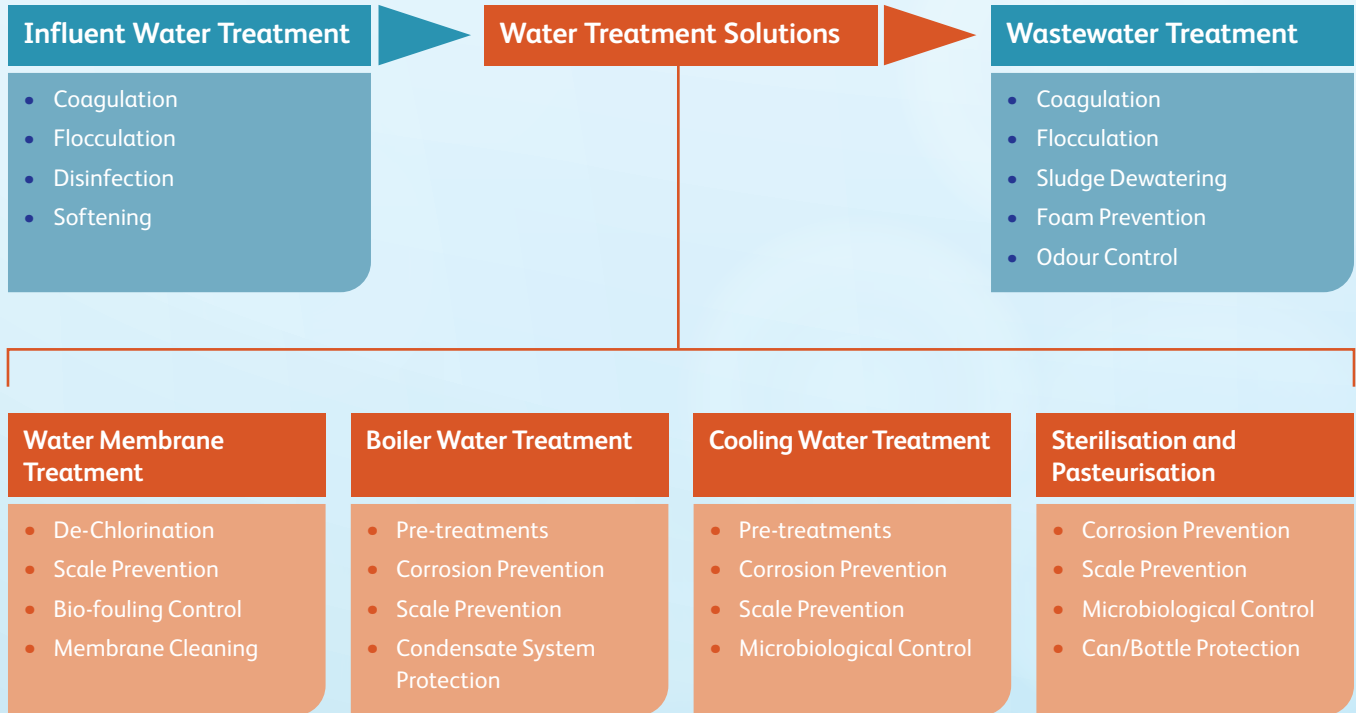
We help confront and control typical issues impacting equipment, and manufacturing across each sector. From problems such as - corrosion, scale, and biofilm - to global incoming water quality variations and safeguarding against negative effects from optimizing water use.

Our innovative products and training drive environmental compliance, water reuse, sustainability and reliability. In addition to innovative chemistries, we can help F&B operations achieve greater efficiencies with a full suite of monitoring and control systems, including web-based data management, and performance monitoring programs.





Water Treatment Solutions



Influent Treatments

Whether used for drinking water or in a manufacturing process, water is a vital resource. The quality of raw water varies greatly, therefore Diversey's influent treatment programs are custom designed to meet each customer's specific requirements. These programs use organic or inorganic chemistries in a liquid, powder, or emulsion product to deliver optimum clarification performance and a reliable supply of water that meets required quality standards.

- *Biocides*
- *Coagulants*
- *Corrosion Inhibitors*
- *Flocculant*



Boiler Water Treatments

To ensure the optimum performance and safety of boiler and steam generating systems, it is imperative that corrosion and deposition be addressed proactively.

Diversey's boiler water treatment programs combine application expertise with state-of-the-art chemistries to manage these issues and the multitude of problems they can cause. Whether your objective is to increase production, to improve plant reliability or to protect plant assets, you can count on Diversey to provide a cost-effective solution that addresses your boiler water treatment needs.

- *Corrosion Inhibitors*
- *Deposit Control Agents*
- *Membrane Treatments*
- *Oxygen Scavengers*





Water Treatment Solutions

Cooling Water Treatments

When corrosion, deposition, and microbiological growth occur in a cooling water system, they can lead to flow restrictions, reduced operating efficiency, higher maintenance costs, and unscheduled outages.

To help maintain the reliability and performance of industrial cooling water systems, Diversey offers a full line of chemical treatments that work at various pH levels and with different water chemistries, as well as advanced monitoring and control systems that preemptively address system corrosion and fouling.

- *Biocides*
- *Chlorine Stabilizers*
- *Cleaners*
- *Corrosion Inhibitors*
- *Deposit Control Agents*
- *Organic Dispersants*
- *Scale Inhibitors*



Water Membrane Treatments

Your membrane system is a key driver of process efficiency. Scales and biofouling can dramatically reduce membrane efficiency and lead to further quality and hygiene challenges downstream.

Diversey's range of preventative inhibitors in conjunction with a robust membrane cleaning program will optimize membrane efficiency and protect the membrane life in the water preparation membrane system.

- *De-chlorination*
- *Scale Inhibitors*
- *Biocides*
- *Cleaners*

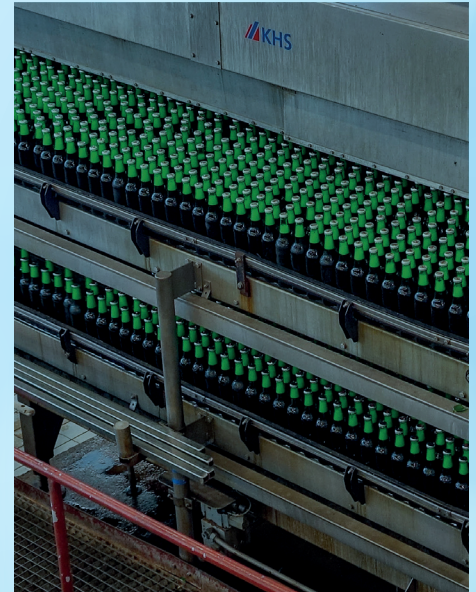


Sterilisation and Pasteurisation Treatments

Tunnel pasteurisers can experience microbiological growth, bio-fouling, corrosion, and inorganic scale deposition. If not addressed, these issues can negatively impact safety, heat transfer efficiency, utility usage, process reliability, maintenance, and system integrity. Package and beverage quality, productivity, operational efficiency, and total cost of ownership can also be detrimentally affected.

Diversey's solutions address the key issues of microbiological growth, corrosion, deposition, and scale build-up for process reliability and package quality.

- *Biocides*
- *Corrosion Inhibitors*
- *Deposit Control Agents*
- *Organic Dispersants*
- *Scale Inhibitors*
- *Can and bottle protection*



Wastewater Treatments

As environmental regulations become more restrictive, improving the performance of a wastewater system becomes even more critical. To help customers achieve their environmental and operational objectives, Diversey offers one of the most advanced and comprehensive product lines for effluent treatment and a wide range of customer-focused services that help ensure the optimum performance of wastewater systems.

Diversey can provide cost-effective solutions to help maintain regulatory compliance, minimize sludge handling and disposal costs, recycle and/or reuse effluent and improve wastewater quality.

- *Coagulants*
- *Defoamers*
- *Flocculants*
- *Odor Control Products*
- *Scale Inhibitors*
- *Sludge Dewatering Polymers*





Process Solutions

Deposit Control Agents and Scale Inhibitors

Organic deposits and inorganic scales can lead to problems, including lost production, increased maintenance and energy costs, poor product quality, and unscheduled downtime.

Diversey offers a complete portfolio of products for controlling the deposition of system contaminants and the formation of virtually any type of scale and a full range of cleaning products for removing existing deposits and scales.

Diversey's applications expertise and experience with various industrial processes, coupled with a complete line of proven chemical treatments, ensure customers receive completely customized solutions to their deposit control needs.

- *Cleaning Products*
- *Corrosion Inhibitors*
- *Dispersants*
- *Scale Inhibitors*
- *Stabilizers*
- *Surface Passivators*
- *Surfactant*



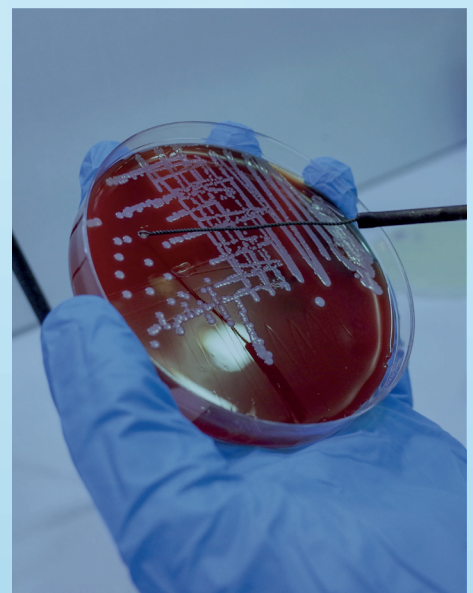
Microbiological Control Agents

Microorganisms can cause numerous problems in aqueous systems, including slime deposits, microbiologically induced corrosion, unpleasant odors and hazardous gases.

Likewise, they can cause raw materials to spoil and impact the quality of a finished product.

Diversey offers a variety of broad-spectrum, water-dispersible microbiological control agents, including oxidizing biocides and non-oxidizing biocides that inhibit microbial growth in industrial processes and prevent additive spoilage.

- *Algaecides*
- *Bactericides*
- *Fungicides*
- *Non-Oxidizing Biocides*
- *Oxidizing Biocides*
- *Water-based Biocides*



Corrosion Inhibitors

Corrosion reduces asset life, process efficiency and can impact the quality of your finished product. A proactive approach to corrosion control by utilizing a targeted range of corrosion inhibitors protects your process, asset investment, and product quality.

Diversey offers a range of inhibitors, selected based on water quality and corrosion risk.

- *Corrosion Inhibitors*
- *Phosphate based*
- *Zinc based*
- *Molybdate based*
- *Amine based*



Waste Water Treatment Defoamers

Entrained air and surface foam can cause a variety of quality, production, and environmental problems for industrial operations.

Diversey offers a full range of foam control technologies that minimize the detrimental effects of entrained air, surface foam, and surfactant-stabilized foam in aqueous manufacturing systems. These products are available in various chemical formulations to address virtually any foam-related issue and regulatory requirement.

- *Oil-based Defoamers*
- *Silicone-based Defoamers*
- *Surfactant-based*
- *Concentrate Defoamers*
- *Water-based Defoamers*





Insight that Transforms Water Use and Unlocks Excellence Globally

Our specialized service applications and diagnostic expertise provide environmental services, critical analysis, advanced feed and control, and in-depth auditing of production facilities.

When used as part of our treatment programs, these systems help ensure optimal operational performance, improve product quality, reduce downtime, minimize water and energy use, and provide long-term asset protection. Diversey's expertise and global reputation provide process improvement, hygiene, and water treatment solutions that F&B businesses trust to make the difference around the world.



Solenis partnership

Diversey is an exclusive distributor of Solenis water treatment chemistries and equipment. We have partnered with the global water treatments experts to offer an unmatched level of knowledge, service, and speciality to the food, beverage, dairy, and life sciences industries. Our dedicated focus on these industries sets us apart from other water treatment providers and offers enhanced value across water quality management, process control, asset protection, sustainability, and compliance. Customers can further enhance effectiveness, efficiency, and value by combining Diversey Hygiene Solutions with water treatment capabilities and a holistic approach to process water and production hygiene management.





Diversey's purpose is to **protect** and **care** for people through leading hygiene, infection prevention and cleaning solutions. Diversey has been, and always will be, a **pioneer** and **facilitator for life**.

We constantly deliver **revolutionary** cleaning and hygiene technologies that provide **total confidence** to our customers across all of our global sectors, including: cleaning products, systems and services that efficiently integrate chemicals, machines and sustainability programs. This makes us **unique** among leading global hygiene and cleaning companies.

Everything we do has our customers' needs at its heart and is based on the belief that cleaning and hygiene are **life essentials**.

With over **95 years of expertise**, we safeguard our customers' businesses, contributing to productivity improvements, lower total operating costs and brand protection.

Diversey is headquartered in Fort Mill, S.C., USA. For more information, visit www.diversey.com or follow us on social media.

