

Recreational Water Treatment Solutions

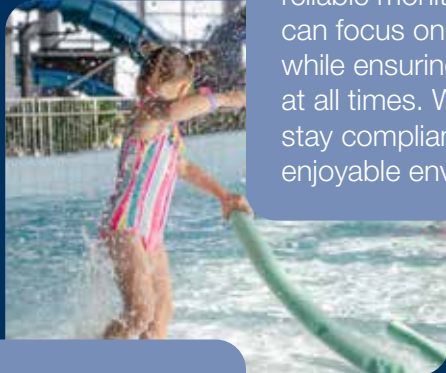
Product Overview

Pools & Waterparks | Spas & Wellness Centers | Aquatic Recreation Facilities | Public Swimming Pools | Hotels & Resorts | Fitness & Recreation Clubs | Water Attractions | Fountains & Splash Pads | Zoos & Aquariums



Pools & Waterparks

ProMinent helps pools and waterparks maintain safe, clean, and inviting water all season long. Our complete solutions simplify daily operations, reduce chemical and energy use, and provide reliable monitoring to ensure optimal water conditions. Operators can focus on delivering fun and memorable aquatic experiences while ensuring that swimmers enjoy crystal-clear, hygienic water at all times. With our expertise, facilities can operate efficiently, stay compliant with safety standards, and offer guests a safe and enjoyable environment.



Resorts

Hotels and resorts around the world rely on ProMinent to maintain pristine pools, spas, and aquatic amenities for guests, providing safe and enjoyable water experiences. Our solutions simplify operations, reduce chemical use, and ensure even water quality across single or multiple facilities.

From water monitoring and chemical dosing to smart disinfection, ProMinent helps operators maintain high standards with minimal effort. Guests enjoy worry-free, hygienic, and crystal-clear pools and spas, while facilities benefit from reliable and efficient water management.

ProMinent. Solutions for your application.

Spas & Wellness

For spas and wellness centers, water quality is key to guest comfort and safety. ProMinent provides tailored solutions that ensure perfectly balanced, hygienic water and make water treatment easy and manageable. Our support helps operators maintain relaxing, worry-free environments while reducing maintenance demands and operational stress. Guests can enjoy a safe, clean, and serene atmosphere, confident in the high-quality water management behind the scenes.



Zoos & Aquariums

Zoos and aquariums require precise and reliable water treatment to maintain healthy habitats. ProMinent provides solutions that simplify water management, reduce manual labor, and ensure consistently safe and high-quality water. By optimizing chemical dosing, monitoring, and disinfection, we help facilities protect animal health, support conservation efforts, and focus on creating educational experiences while maintaining the highest standards of safety and efficiency. Our solutions are trusted by zoos and aquariums across North America for reliability and performance.

Aquatic Recreation Facilities

Aquatic recreation facilities, including swim schools, indoor aquatic centers, and leisure complexes, benefit from ProMinent's comprehensive water management solutions. We simplify monitoring, disinfection, and maintenance, helping operators maintain consistently safe and clean water for visitors of all ages.

Our solutions ensure efficient operations, reduce downtime, and help facilities meet safety standards, providing a worry-free aquatic experience that keeps visitors coming back season after season.



DULCOMETER AirGuard

Monitoring System

DULCOMETER AirGuard

The DULCOMETER AirGuard continuously monitors trichloramine for indoor aquatics facilities, protecting swimmers and staff from harmful pollutants. Its real-time measurements eliminate the need for manual spot testing, communication options allows it to integrate seamlessly with existing control systems, and provide connectivity to building management systems and ProMinent controllers. Compact, flexible, and easy to operate, the AirGuard ensures healthier and cleaner indoor air while helping maintain optimal pool conditions.



Benefits

- Enhanced Safety: Continuous real-time monitoring helps identify and respond to harmful trichloramine levels immediately
- Regulatory Compliance: Supports adherence to WHO and ANSES exposure limits for healthier, safer facilities
- Operational Efficiency: Detects problem areas quickly to optimize ventilation and reduce maintenance costs
- Flexible and Portable: Compact design allows easy change of location to monitor different zones within the facility

Performance Range

0 – 2 ppm trichloramine / ≤ 5 min response time / 50 – 104 °F (10 – 40 °C) operating temperature

Clean Air, Safe Water

Trichloramine exposure in indoor pools poses health and structural risks. The DULCOMETER AirGuard provides continuous real-time monitoring, enabling quick corrective actions to protect swimmers, staff, and facilities. ProMinent's smart technology helps you maintain clean air, safe water, and full compliance every day.



ProCal SV



Chlorine Disinfection

ProCal SV Granular Calcium Hypochlorite Feeder



The ProCal SV is a high-precision metering system designed for the reliable dosing of granular calcium hypochlorite in swimming pools and water features. It produces a consistent, controlled chlorine solution while minimizing impacts on pH and total dissolved solids (TDS), offering a safe and efficient alternative to liquid chlorine. The system's compact design and automated operation make it easy to install and manage, even in busy commercial pools or aquatic facilities.

Ideal for pools of all sizes, the ProCal SV ensures dependable chlorine dosing with minimal maintenance. Equipped with a large-capacity hopper and precise feed mechanism, it delivers accurate dosing every time. Its compatibility with any granular hypochlorite gives operators the freedom to choose the most economical option or the product that best suits their operational needs, saving facilities significant costs compared to pucks or tablets. The system is NSF certified, providing verified quality and safety for all pool applications.

Benefits

- Reliable and precise dosing of granular calcium hypochlorite
- Minimizes impact on pH and total dissolved solids (TDS)
- Compact design for easy installation and operation
- Low maintenance requirements
- Can use any brand of calcium hypochlorite

Performance Range

- Flow rate 0.005 – 13.2 GPH (0.02 – 50 l/h)
- Pressure 14.5 – 232 psi (1 – 16 bar)
- Dry granular storage 66 lbs (30 kg)



Controllers and Instrumentation

Keep your pool extra clean with our easy-to-use controllers and instruments. Designed for precision and efficiency.

Controller

DCM5 Control Package

The DCM5 provides precise monitoring and control of water chemistry in pools, spas, and aquatic facilities. It enables remote access, accurate chemical dosing, and seamless system integration for safe, efficient, and reliable operation.



Sensors

Aquatic Sensors

ProMinent DULCOTEST sensors include: Free and Total Chlorine, pH, ORP, Ozone, Hydrogen Peroxide, Bromine, Chlorine Dioxide, Conductivity, Turbidity and Dissolved Oxygen.



Controller

CO₂ Feeder

Controls pH using CO₂, with safe and precise dosing. No TDS increase, no acid or fumes on-site, and is simple to install and operate.



Neutralization System

Acid Fume Scrubber

A proprietary device for direct venting of an acid tank inside a mechanical room, deleting the need for fans or secondary fume traps.



Storage

Chemical Storage Tanks

Sizes available from 15 – 300 gal (60 – 1,135 liters) and includes support for mounting ProMinent pumps, stirrers or radar sensors.



Metering Pumps

Ensure perfect water quality all season with precise chemical dosing. Ideal for pools, spas, and any aquatics facilities, our metering pumps provide reliable and efficient performance for hassle-free maintenance.



Diaphragm Metering Pump

beta/ X

beta/ X is ProMinent's next-generation diaphragm metering pump. Easy to set up, precise, and durable, it delivers pulse-free dosing with intuitive controls and flexible installation.

Stay informed at a glance with 360° status LEDs, and enjoy smart connectivity for remote monitoring and effortless operation. Perfect for demanding applications across all recreational and aquatic water treatment facilities.

Benefits

- Precise, pulse-free chemical dosing
- Easy setup and operation with minimal maintenance
- Flexible installation for tight spaces and challenging applications
- Smart connectivity for monitoring and remote control

Performance Range

0.003 – 13.2 GPH (0.01 – 50 l/h) / 29 – 232 psi (2 – 16 bar)



Solenoid Diaphragm

gamma/ X

The gamma/ X is the first ProMinent metering pump with predictive intelligence. Its solenoid drive detects pressure issues and priming faults, adjusting output to protect the pump and its piping.

Benefits

- Easy metering rate adjustment directly in GPH or l/h
- Reliable, precise dosing with integrated pressure measurement
- Wear-free solenoid drive for low maintenance and long life
- Bluetooth connectivity for simple setup and monitoring

Performance Range

0.61 to 11.89 GPH at up to 363 psi (2.3 to 45 l/h at up to 25 bar)



Solenoid Diaphragm

Concept b

The Concept b is compact, reliable, and easy to install. It mounts on a tank or wall bracket and delivers precise chemical dosing in flow-proportional or on/off control applications. A simple, low-maintenance solution for efficient water treatment.

Benefits

- Compact, easy-to-mount design for tanks or walls
- Ideal for simple on/off or flow-proportional dosing
- Durable PVDF liquid ends for chemical compatibility
- Low maintenance and highly economical

Performance Range

0.18 to 4.33 GPH up to 232 psi (0.7 to 16.4 l/h at up to 16 bar)

Disinfection Systems

Keep water safe and clear with our advanced disinfection solutions. Designed for pools, spas, and aquatic facilities, our systems offer reliable, efficient, and hassle-free water treatment for a worry-free season.



Chlorine Dioxide System

Bello Zon CDLb

The Bello Zon CDLb uses the acid/chlorite process to generate chlorine-free chlorine dioxide safely and reliably. It provides powerful disinfection for swimming pools and water systems, helping prevent bacteria, biofilm, and Legionella growth. With a **capacity of up to 0.26 lbs/h (120 g/h) and storage for 60 g of ClO₂**, It ensures consistent water quality across multiple injection points. Its compact, efficient design reduces chemical usage and operating costs, helps control biofilms in filters and piping, and supports rapid response to water quality incidents.

Ozone System

OZONFILT OZVb

The OZONFILT OZVb uses compressed air to generate ozone, with an output **range of up to 0.15 lb/h (70 g/h)**. Its turnkey design includes integrated air treatment and mixing, ensuring a safe operation. Ideal for disinfection and oxidation in swimming pools, it improves water quality by eliminating contaminants and reducing chlorine demand. Its compact size and low maintenance make it a cost-effective solution for clean, safe pool environments.



UV System

DULCODES LP

The DULCODES LP uses patented VARIO-Flux high-output lamps with dynamic heating, allowing precise dimming to adapt to varying flows and water temperatures. With a **flow capacity of up to 2,300 GPM (523 m³/h)**, it delivers chemical-free disinfection, proven effective against Cryptosporidium, reduces chlorine demand, and improves water quality. Its optimized reactor design maximizes efficacy while minimizing pressure loss and energy use.

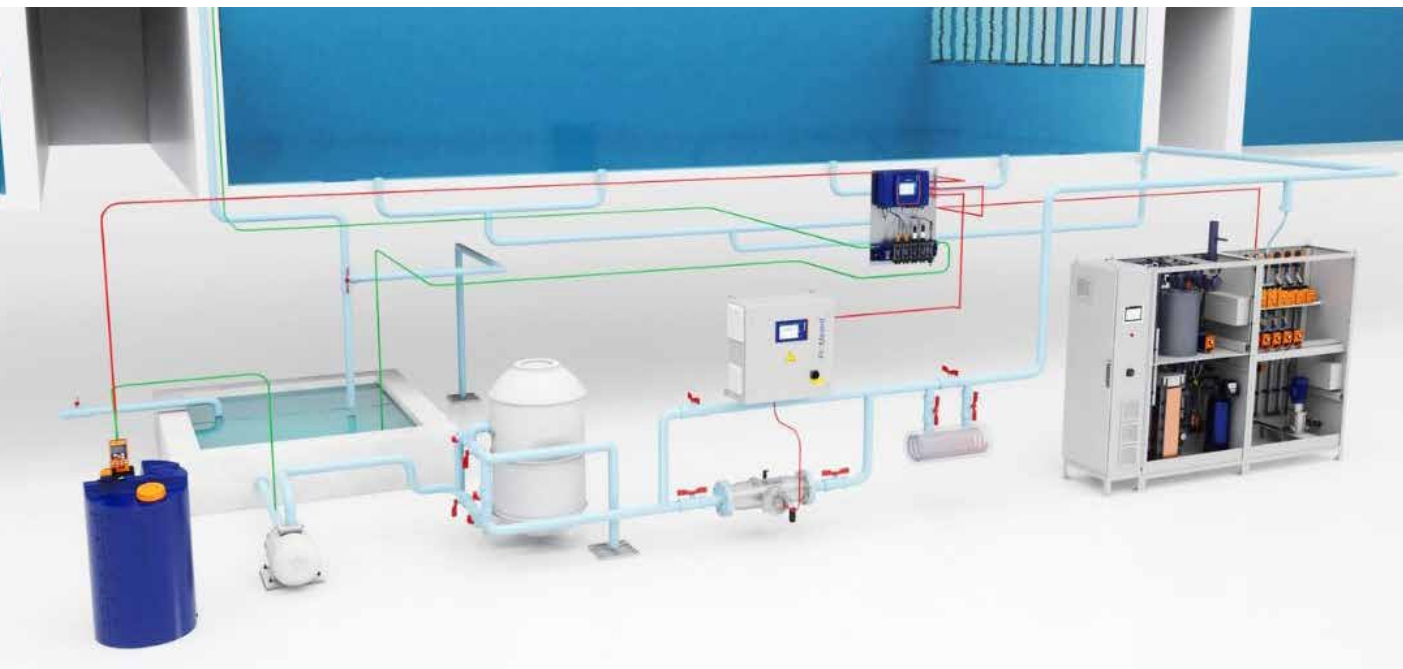


UV System

DULCODES B ELD

The DULCODES B ELD UV system delivers advanced, energy-efficient disinfection for a wide range of water treatment applications. Using medium-pressure UV lamps, it effectively inactivates microorganisms and breaks down unwanted compounds, ensuring clean, high-quality water without harsh chemicals. With **flow rates up to 3,550 GPM (809 m³/h)**, it provides reliable, chemical-free disinfection, proven effective against Cryptosporidium through independent testing.

An intelligent control system automatically adjusts UV output based on water conditions, reducing energy use and extending lamp life. Built from high-grade stainless steel with optimized hydraulics, the DULCODES B ELD ensures uniform UV exposure, simple maintenance, and certified performance for safe, efficient water treatment.





OUR ADVANTAGE

ProMinent integrates a full suite of capabilities to ensure your system operates at peak performance specific to your application. From in-house design and manufacturing that delivers high quality control to in-field support and training that keeps your system producing reliable results. You can count on ProMinent as your partner throughout your system's entire life cycle.

IN-HOUSE CAPABILITIES

Standard & Custom System Design and Engineering

Custom Sensor Panel Fabrication and Testing

Component and System Manufacturing

Factory Testing and Certification of all Systems

AFTERMARKET SUPPORT

Large Inventory of Parts and Components

Service Support: Phone, On-site and/or Start-Up

Maintenance, Repair and Troubleshooting of Equipment

Training: Certified Service Partner, Operational, Maintenance, General Product

PROVEN SOLUTIONS THAT MEET YOUR NEEDS

ProMinent Fluid Controls, offers the highest quality metering pumps, disinfection systems, polymer preparation systems, metering systems for solids, instrumentation, and custom designed systems. The Group is headquartered in Heidelberg, Germany with more than 3,000 employees throughout 50 sales and service locations and 12 production sites. With over 60 years of experience, our expertise and wide range of products positions us as your reliable solution partner for the treatment of water.

To learn how we can help solve your water treatment challenges, contact us at:

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