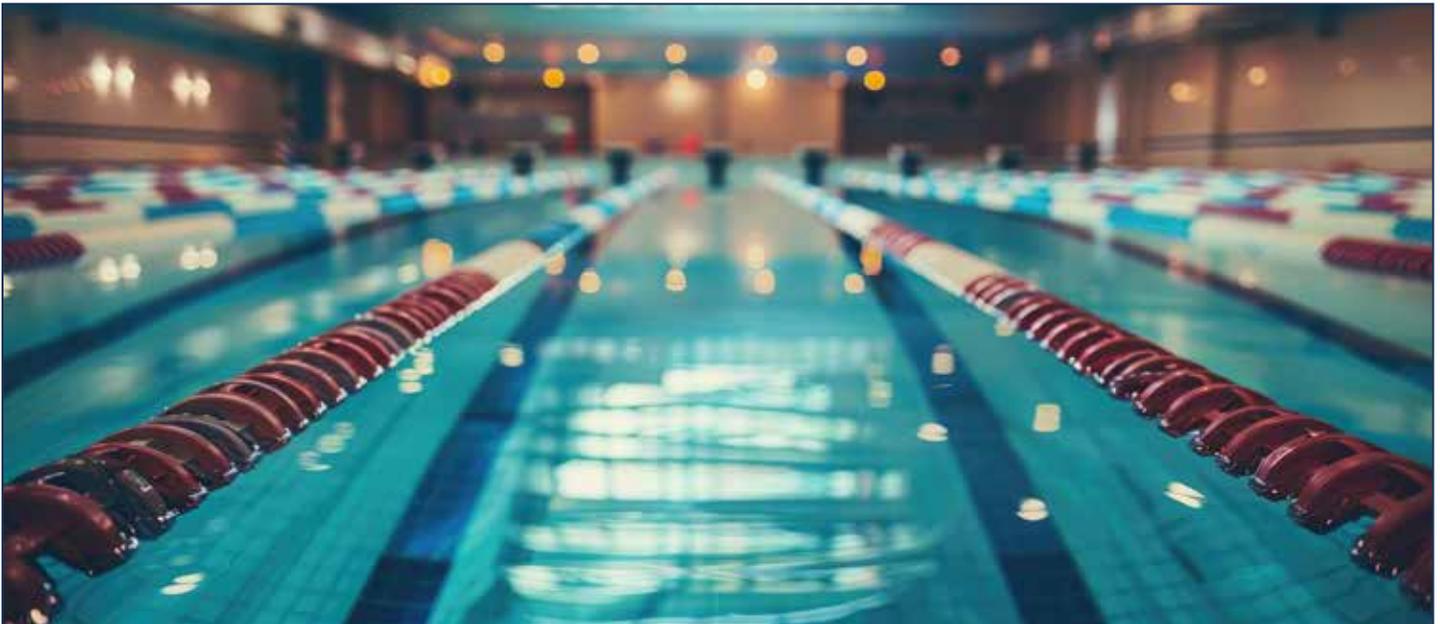


# DULCOMETER AirGuard

Improving the Air Quality and Safety of Indoor Aquatics Facilities

Sales Data Sheet

ProMinent®



## THE IMPORTANCE OF KNOWING TRICHLORAMINE LEVELS

Trichloramine ( $\text{NCl}_3$ ) exposure, especially in indoor aquatics facilities, poses significant health risks that can lead to respiratory, eye and skin irritation, including some long-term conditions like asthma. Additionally, it can corrode metallic surfaces within pool facilities leading to early failure of equipment and frequent repairs.

Trichloramine is formed when chlorine reacts with nitrogenous compounds such as sweat, urine and body lotions, and becomes a gas with the highest concentrations just above the water surface where swimmers and staff are most exposed.



## THE CONTINUOUS MONITORING OF TRICHLORAMINE

Previously, to measure trichloramine, air samples are taken and then sent to a lab for analysis. Since the results are not immediately known, dangers could exist or change by the time results are received. The DULCOMETER AirGuard now offers continuous real-time measurement, so that immediate remedial actions can be taken, such as increased ventilation. The World Health Organization (WHO) recommends an exposure limit of 0.1 PPM (0.5 mg/m<sup>3</sup>) for 8-hour period and France's ANSES recommends a limit of 0.3 PPM (1.5 mg/m<sup>3</sup>) for a 15-minute period.

## INCREASED SAFETY

The DULCOMETER AirGuard is a cutting-edge system to help a facility improve the health and safety of patrons and employees by minimizing risks associated with trichloramine exposure.

Mitigation measures such as increased ventilation, UV or ozone treatment, and/or stricter hygiene policies can be implemented when you monitor trichloramine levels in real-time.

Addressing these safety concerns is crucial to protecting the health of both workers and patrons, while maintaining the structural integrity of aquatic facilities and equipment.



## MEETING MARKET DEMANDS

The DULCOMETER AirGuard is ideal for indoor aquatics facilities and cleaning in place (CIP) disinfection applications. It is a portable unit that can be easily located and relocated to any area to evaluate the trichloramine levels. This is important in identifying areas which may require improved ventilation.

## FEATURES

Continuous Measurement .....	Shows trends and peaks to improve safety plans
Real-Time Measurement .....	Allows quick action to mitigate risks
Simple Operation .....	Quick training for new employees
Communication Options .....	Remotely record and monitor data and control peripheral equipment
Portable.....	Easily moved to locations of concern

## BENEFITS

### The ProMinent Advantage

At ProMinent North America, our capabilities include custom system engineering and design, fabrication, component and sensor manufacturing, bench testing, and full system certification. Having these capabilities in-house ensures you receive high quality systems and components that meet your timing and requirement needs. You can count on ProMinent as your partner throughout the entire life-cycle of your system. We offer complete aftermarket services that include field technicians for startup and repair, on-site/remote technical support, training, along with a large inventory of spare parts and components to keep your system operating at peak performance.

### Sales Data Sheet

#### 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 you, contact us at:

#### ABOUT PROMINENT NORTH AMERICA

Your partner for in-house system design, manufacturing, testing and certification, with complete aftermarket services, including field technicians for startup and repair, technical support, training, along with a large inventory of spare parts and components to keep your system operating at peak performance.

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