

► 0-5 g/h chlorine dioxide

ProMinent® Legio Zon® Series

Experts in Chem-Feed and Water Treatment

ProMinent®

Zero Tolerance for Legionella!

Chlorine dioxide is rapidly gaining acceptance, particularly in the control of Legionella and other bacteria in potable water used in public buildings such as hospitals, hotels or healthcare facilities. With the new ProMinent® Legio Zon® system, the requirements of smaller and mid-sized buildings can be reliably handled.

ProMinent Legio Zon® 0-5 g/h of chlorine dioxide are generated and dosed in proportion to the flow of the water source.. The intelligent operation and maintenance concept enables safe, simple and reliable operation, as well as easy and cost-effective maintenance. The total process management system is also suitable for intermittent operation.



ProMinent® Legio Zon®

Features and benefits

- Outstanding Legionella protection with the proven chlorite/acid process for small and mid sized buildings
- 0-5 g/h chlorine dioxide generation in batch process mode
- Safe, on-site generation: No need to store or transport dangerous chemical disinfectants!
- Equally suitable for continuous and intermittent operation
- High stability of the generated chlorine dioxide solution lasting over several days
- Integrated metering pumps for accurate dosing of solutions
- Direct control by means of contact water meter or inductive flow meter

Applications

- Legionella control
- Healthcare Facilities
- Disinfection of potable water
- Controlling waterborne pathogens
- Destruction of Biofilms
- Cooling towers
- Breweries
- Hospitals

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Technical data.

Capacity	0-5 g/h
Dimensions	approx. 25.6 x 21.7 x 12.2" (650 x 550 x 310 mm)
Total Weight	approx. 48.5 lbs. (22 kg)
Electrical supply	230 V, 50/60 Hz
Protection class	IP 65
Water meter input	contact water meter with reed switch or Hall effect sensor (integrated supply voltage +11 V, 2 mA), pulsed output 0.1 - 10 L/pulse or inductive flow meter (open collector) with frequency output up to 10 kHz (pulse width > 20 usec)
Pause input	for volt-free contact
External fault input	for volt-free contact
Operational message output	relay contact 230 V, 3 A
Warning message output	relay contact 230 V, 3 A
Alarm message output	relay contact 230 V, 3 A
Operating water	43.5-87 psig (3-6 bar), hose connection 6 x 4 mm
Batch volume	approx. 0.2 gallons (0.8L)
CIO ₂ stock solution concentration	2,000 ppm
CIO ₂ metering pump	0.8 gph (3 L/h) against 145 psig (10 bar) 0.9 gph (3.4 L/h) against 72.5 psig (5 bar)

Related Products.

ProMinent® DULCOMETER® analyzers provide precise monitoring or controlling of process variables for water and wastewater applications. These variables include pH, ORP, Free and Total Chlorine, Bromine, Conductivity, Dissolved Oxygen, Dissolved Ozone, Chlorine Dioxide, Temperature, Chlorite, Peracetic Acid, and Hydrogen Peroxide

Photometer

Microprocessor-controlled Photometer DT1, DT2B, DT3 and DT4 serve to calibrate amperometric and fluoride measuring systems by comparison measurement. They are pre-assigned to defined verification procedures and include various measurement parameters. With little investment of time, accurate and reproducible results can be achieved

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