

# Legio Zon<sup>®</sup> Series

## 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 (i.e., hospitals, hotels or healthcare facilities). With the new **ProMinent<sup>®</sup> Legio Zon<sup>®</sup>** system, the requirements of smaller and mid-sized buildings can be reliably handled.

**ProMinent<sup>®</sup> Legio Zon<sup>®</sup>** can generate up to 10 g/hr of chlorine dioxide and can dose 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.



## Features & Benefits

- Outstanding Legionella protection with the proven chlorite/acid process for small and mid sized buildings
- Up to 10 g/hr 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 solution dosing
- Direct control by means of contact water meter or inductive flow meter

## Legionella control for:

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

**ProMinent<sup>®</sup>**

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## Technical data

Electrical supply	115/230 V, 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 microseconds)
Pause input	for volt-free contact
External fault input	for volt-free contact
Operational message output	relay contact 115 V, 3 A
Warning message output	relay contact 115 V, 3 A
Alarm message output	relay contact 115 V, 3 A
Operation water	43.5-87 psig (3-6 bar), hose connection 1/4"
Batch volume	approx. 0.2 gallons (0.8L)
ClO <sub>2</sub> stock solution concentration	2,000 ppm
Operation type	continuous or intermittent

## Models (Legio Zon<sup>®</sup>)

Type	Dosing Capacity (g/h)	Max operating pressure (psi)	Capacity of ClO <sub>2</sub> dosing pump	Operating Temp (°F)	Dimensions (HxWxD) (inches)	Unit Weight (lbs)	Power consumption (max.) 115/230 V (amp)
CDL5	0-5	145	1 gph (72.5 psi)	50 - 104	26" x 22" x 12"	53	8.4-2.7
CDL10	0-10	102	2 gph (51 psi)	50 - 104	26" x 22" x 15"	62	8.4-2.7

### Inputs:

Water meter (contact or frequency)

External digital input (can be configured for pause, shock dosage, high dosage or manual)

External fault

### Outputs:

Operating alarm relay

Warning relay

Fault alarm relay