

# Bello Zon CDLb Series

“Chlorine-Free” Chlorine Dioxide (ClO<sub>2</sub>) Generation



The new **CDLb** is characterized by the outstanding long-term stability of ClO<sub>2</sub> solution, exceptional efficiency in the reaction without any ClO<sub>2</sub> loss from the gas phase, and step by step controlled processes.

**ProMinent® Bello Zon generators** provide reliable and maintenance-reduced production and metering of chlorine dioxide under the highest safety standards. Optimally tuned systems for water disinfection can be designed with Dulcometer / Dulcotest analyzers for corresponding measurement or control technology.

## Features & Benefits

- More than 8000 units installed globally!
- Proven two-chemical design: Hydrochloric acid and Sodium chlorite - chlorine free operation
- Closed gas transport system
- Safety features provide automatic generator shutdown upon alarm condition
- Batch production of ClO<sub>2</sub>
- Data Logger and Screen Recorder
- Stable ClO<sub>2</sub> storage at 1,000 or 2,000 ppm
- Max of 120 gph ClO<sub>2</sub>
- Multiple injection points

## Applications

- Disinfection
- Odor removal
- Municipal drinking water
- Legionella control
- Industrial wastewater treatment
- Metal oxidation
- Bottle Washing
- CIP Systems
- Cooling Towers
- Vegetable and Fruit Washing
- Breweries and Wineries

# Bello Zon CDLb Series

## Technical Data

Capacity Data						
Type	Preparation capacity grams/hour	Chemical Usage HCL gal/day	Chemical Usage Chlorite gal/day	Solution concentration mg/L	Performance gal/h	Dimensions H x W x D (approx.) inches
<b>Bello Zon CDLb</b>						
CDLb 6	6*	0.95	0.95	1000	2	49 x 35 x 12
CDLb 12	12*	1.90	1.90	2000	2	49 x 35 x 12
CDLb 22	22*	3.49	3.49	2000	3.4	49 x 35 x 12
CDLb 55	55*	8.72	8.72	2000	8	61 x 32 x 14
CDLb 120	120**	19.02	19.02	2000	**	51 x 35 x 17

\* Option: integrated storage vessel and integrated metering pump with the corresponding metering capacity of up to 102 psi back pressure

\*\* With external storage module and separate metering pump(s)

**Power supply:** 100-230 V, 50/60 Hz

**Inputs:**

- 2 freely configurable digital inputs for the pause functions, high metering, shock dosing, or manual metering, including collective malfunction
- 4 digital inputs for monitoring (Warning/ empty message) from the chemical supply
- 1 digital input for contact water meter 0.25-20 Hz
- 1 frequency input for water meter 10-10,000 Hz

**Outputs:**

- 1 operating signal relay
- 1 alarm signal relay
- 1 warning signal relay
- 1 voltage output +5 V as supply voltage for a water meter with Hall sensor

**Pre-cursor Chemicals:**

- Sodium chlorite 7.5%
- Hydrochloric acid 9%
- Potable water

Contact ProMinent for yearly maintenance kits.