

# Bello Zon® CDEa Series

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



*The low-cost entry-level model for the treatment of medium to large amounts of water with 5-140 g/h chlorine dioxide, designed to offer very easy operation and clear system layout. Continuous treatment is efficient and simple thanks to the use of diluted chemicals. Ready-to-use, complete chlorine dioxide systems Bello Zon® CDEa systems are used in the continuous production and metering of 5 g to 140 g of chlorine dioxide per hour with diluted chemicals. The system wins over customers with its simple operation and clearly laid out design.*

### Features & Benefits

- Very simple operation
- Minimal investment costs
- Short lead times
- Maximum operating safety
- Operating status indicated by LED displays
- External control via 4-20 mA analog signal and/or pause contact
- Volume-proportional metering with contact water meter
- Warning and alarm relay outputs

### 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® CDEa Series

## Technical Data

Capacity Data							
Type	Chlorin dioxide Capacity*	Chlorin dioxide Capacity*	Max. operating pressure	Operating temperature	Metering pump hose connection dimension Acid and chlorite mm	Dimensions H x W x D (approx.) inches	Weight lbs (kg)
	min.-max. / grams/hour	min./day g/d	psi (bar)	°F (°C)			
<b>Bello Zon CDEa</b>							
CDEa 45	5-45 g/h	16	29.0 (2)	59-95 (15-35)	6x4	37.7 x 22.5 x 7.7	46.3 (21)
CDEa 80	8-80 g/h	30	29.0 (2)	59-95 (15-35)	6x4	37.7 x 22.5 x 7.7	48.5 (22)
CDEa 140	14-140 g/h	50	49.3 (3.4)	59-95 (15-35)	8x5	47.2 x 22.5 x 7.7	52.9 (24)

\* Metering data based on a back pressure of 5 bar and ambient temperature of 20°C.

The minimum hourly capacity is based on the assumption that if the system is operated below 10% of nominal power, continuous metering is no longer possible due to the resulting low pump frequency of the metering pumps.

\*\* At max. ambient temperature of 35°C

1) Subject to technical modifications and design changes

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

**Operating Fluids:** Sodium chlorite 7.5%, purity according to EN 938  
Hydrochloric acid 9%, purity according to EN 939

### The system includes:

BelloZon® CDEa systems are supplied connection-ready on a wall panel. Connection to the site bypass line is via DN 20 PVC threaded connectors with straight solvent unions. Suction lances for the chemical pumps, safety collecting pans for the chemical drums and other accessories such as flushing equipment with a vacuum relief valve must be ordered separately.

Contact ProMinent for yearly maintenance kits.



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