

Bello Zon CDLb H_2SO_4

Chlorine dioxide disinfection without corrosion



*An extremely low-chloride chlorine dioxide solution is produced from sodium chlorite and sulfuric acid. The low-chloride **ClO₂** solution is suited for disinfection applications in stainless steel environments such as tunnel pasteurizers, autoclaves and belt-based lubrication systems. The concentration of the manufactured chlorine dioxide solution remains stable in storage over long periods. The chlorine dioxide solution is buffered in an integrated or external storage module at a concentration of 1,500 mg/l.*

The broad-based product range of metering pumps and control variants can be used to run several points of injection with chlorine dioxide from a storage module.

The closed gas circuit prevents chlorine dioxide from being able to escape from the system, guaranteeing economical and environmentally friendly operation with minimal use of chemicals.

Features & Benefits

- 8 – 89 g/h chlorine dioxide generation
- Minimum potential for corrosion due to low chloride concentration
- Ideally suited for circulation systems
- System capable of providing several points of injection
- Batch production of ClO_2 possible
- Outstanding operating safety and reliability, thanks to intrinsically safe process control

Applications

- Tunnel pasteurizer
- Bottle cleaning
- Belt-based lubrication
- CIP
- Cooling water treatment

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Technical Data

Capacity Data								
Generation capacity	Operating temperature		Solution concentration	Capacity		Dimensions H x W x D		Weight
g/h	°F	(°C)	mg/l	GPH	(l/h)	in (mm)	(mm)	lbs (kg)
8	50 - 104	(10 - 40)	1,500	2.1	(8)	48.6 x 34.6 x 12.0	(1,236 x 878 x 306)	92.6 (42)
16	50 - 104	(10 - 40)	1,500	3.4	(13)	48.6 x 34.6 x 12.0	(1,236 x 878 x 306)	101.4 (46)
41	50 - 104	(10 - 40)	1,500	7.9	(30)	61.0 x 31.5 x 13.6	(1,550 x 800 x 345)	160.9 (73)
89	50 - 104	(10 - 40)	1,500	*	*	51.8 x 34.6 x 16.7	(1,300 x 878 x 425)	121.3 (55)

* 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%
Sulfuric acid 25%
Potable water

Contact ProMinent Inside Sales for yearly maintenance kits.

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