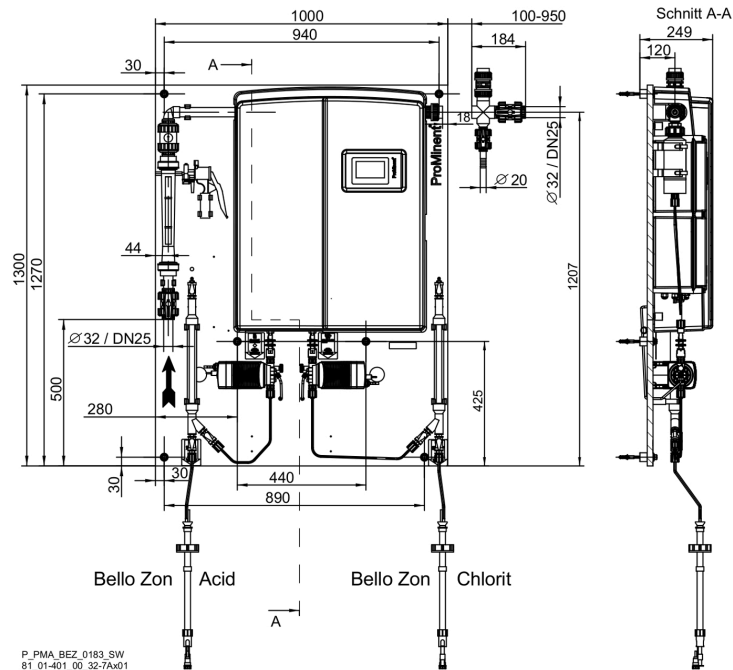


Chlorine Dioxide System Bello Zon CDVd

Chlorine dioxide system Bello Zon CDVd is for the treatment of medium to large volumes of water with diluted chemicals.



Exemplary representation. The dimensions depend on the configuration chosen.

Chlorine dioxide system for the metering of chlorine dioxide with diluted starting chemicals. The certified yield guarantees efficient chlorine dioxide production. Bello Zon CDVd can be easily and safely integrated into any water treatment process.

Technical Details

Power supply

- 100-230 V, 50/60 Hz

Inputs

- 4 analogue inputs (0/4-20 mA)
 - Water flow
 - Control variable
 - Acid level
 - Chlorite level
- 4 digital inputs
 - Contact water meter 0.25-20 Hz
 - Pause
 - Alternative metering
 - External fault

Outputs

- 1 operating signal relay
- 1 alarm signal relay
- 1 warning signal relay
- Mains output for control of the bypass pump
- 2 freely configurable analogue outputs (0/4-20 mA)

Operating substances

- 7.5% sodium chlorite, purity according to EN 938
- 9% hydrochloric acid, purity according to EN 939
- Particle-free water



Chlorine Dioxide System Bello Zon CDVd

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Technical Data

Type	Chlorine dioxide metering rate (min.... max./hour, min./day)*		Max. operating pressure**	Operating temperature	Suction-side connector dimension of calibration vessels		Dimensions of the bypass connector
	g/h	g/d			bar	°C	
CDVd 45	2.5...45	16	8	10...40	6x4	6x4	25
CDVd 120	6...120	40	8	10...40	6x4	6x4	25
CDVd 240	12...240	80	8	10...40	8x5	8x5	25
CDVd 600	30...600	140	8	15...40	12x9	12x9	25
CDVd 2000	100...2,000	468	5	15...40	Pressure hose nozzle d16	Pressure hose nozzle d16	40

* The metering figures relate to 5 or 2 bar back pressure and an ambient temperature of 20 °C. The minimum capacity/hour is based on the fact that when the system is operating at below 5 % of the nominal capacity, continuous metering is no longer possible due to the fact that the metering pumps then have a low pumping frequency. The reactor contents should be changed at least twice daily with systems that do not work continuously. Therefore, do not operate the system below the stated minimum capacity/day.

** at an ambient temperature of 35 °C

Type	Dimensions H x W x D*	Weight	Supply voltage	Supply voltage	Power consumption without bypass pump	Power consumption with bypass pump	HCl	NaClO ₂
			230 V**	115 V**			(9%)*	(7.5%)*
	mm	kg	A	A	W	W	l/h	l/h
CDVd 45	1,300 x 1,000 x 250	55	3.8	1.6	100	630	1.1	1.1
CDVd 120	1,300 x 1,000 x 250	55	3.9	1.6	110	640	2.9	2.9
CDVd 240	1,300 x 1,000 x 250	59	3.9	1.8	120	650	5.7	5.7
CDVd 600	1,525 x 1,160 x 253	84	4.0	1.9	220	750	14.3	14.3
CDVd 2000	2,000 x 1,320 x 290	129	-	2.6	300	-	47.6	47.6

* including main system, pre-dilution and rinse valve, without bypass pump and water feed section

** 230 V figures with bypass pump, 115 V figures without bypass pump

*** Sodium chlorite (NaClO₂) 24.5 %, purity in accordance with EN 938, hydrochloric acid 25-36%, purity in accordance with EN 939. The chemical consumption may vary depending on the temperature.

Ambient conditions:

Permissible relative air humidity (non-condensing)	max. 85% rel.
Permissible ambient temperature	40 °C
Permissible temperature of chemicals	10 ... 35 °C
Storage and transport temperature	-10 ... +40 °C
Degree of protection	IP 65