

Swimming pool fun can be so easy:

VoDes BlueWave

ON-SITE ELECTROLYSIS



Chlorine supply on site.
Control included:

-
- Good value for money**
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- Convenient**
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- Safe**

3-year warranty*

Simply enjoy the best water!

Perfect in form



dinotec waves – striking, providing a haptic experience.

Salt instead of chlorine: VoDes BlueWave systems

The state-of-the-art VoDes BlueWave systems from dinotec use salt, water and electricity to produce a fresh, highly active disinfectant on site for treatment of your pool water or for disinfection of drinking water. The treatment product is always supplied directly and as required into the water circulation, if desired via the integrated control technology. When extended with the appropriate measuring and dosing technology, the VoDes is turned into a full-fledged measurement, control and dosing system.

Advantages for private users:

- Ecological resources and less waste (environmentally friendly).
- Safe operating resources (salt, water, electricity).
- The complicated handling of heavy chlorine canisters belongs to the past.
- Peak demand periods are covered via a separate product storage tank.
- Optimum water quality due to highly effective water treatment.
- Integrated control technology reduces the costs for measurement, control & dosing system by about € 1,000.

Advantages for hoteliers, commercial and municipal users:

- Safe alternative to chlorine gas technology (no chlorine gas outburst possible).
- Significantly lower storage and transportation costs for operating resources.
- No special security measures required for storage.
- Low space requirements. No separate technical room required.
- Significantly reduced workload.
- Integrated control technology reduces the costs for measurement, control & dosing system by about € 2,000.

Safe and environmentally friendly alternative.

Salt requirements, expenses and operating costs of the VoDes BlueWave are second to none, even when compared with so-called in-situ electrolysis systems.

Designed for a reliable, continuous operation

System can even be used in inaccessible areas due to the robust and low-maintenance system design.



Also peak demand periods are covered by an always fresh, highly active disinfectant solution in the associated storage tank.

Salt solution tank incl. integrated softener.



V o D e s B l u e W a v e

Recommendations for use

		VoDes 30	VoDes 60	VoDes 90	VoDes 150	VoDes 200	VoDes 300
Pool water disinfection private	up to approx. 100 m ³	✓					
	up to approx. 200 m ³		✓				
	up to approx. 300 m ³			✓			
	up to approx. 500 m ³				✓		
	up to approx. 670 m ³					✓	
	up to approx. 1000 m ³						✓
Pool water disinfection public	up to approx. 40 m ³	✓					
	up to approx. 100 m ³		✓				
	up to approx. 200 m ³			✓			
	up to approx. 250 m ³				✓		
	up to approx. 330 m ³					✓	
	up to approx. 500 m ³						✓
Drinking water disinfection	Drinking water supply municipal (TVO, § 11 UBA)	✓	✓	✓	✓	✓	✓
	Drinking water supply on ships or the like (TVO, § 11 UBA)	✓	✓	✓	✓	✓	✓
Water purification	Beverage industry	✓	✓	✓	✓	✓	✓
	Circulation water	✓	✓	✓	✓	✓	✓
	Wastewater	✓	✓	✓	✓	✓	✓
	Aquaria, fish farming	✓	✓	✓	✓	✓	✓
	Livestock breeding	✓	✓	✓	✓	✓	✓
	Miscellaneous	✓	✓	✓	✓	✓	✓

Sophisticated plant engineering

The VoDes BlueWave offers intelligent functions and a stylish, ergonomic design.

The integrated control technology allows a cost-efficient upgrade of the VoDes BlueWave into a full-fledged measurement, control and dosing system.

The wall-mounted tubular cell electrolysis system produces a highly active sodium hypochlorite solution on site to be stocked.

The cover with push-fit fastening can be easily removed and re-attached for servicing. The used material is process-compatible and easy to clean.

The corresponding time-controlled softener is integrated in the salt solution tank. The salt solution tank and the product storage tank are set up separately from the VoDes BlueWave according to local requirements.

It is possible to use an extra large storage tank in drinking water applications on request.

Equipped with communication module Modbus RTU.



Technical data

	VoDes 30	VoDes 60	VoDes 90	VoDes 150	VoDes 200	VoDes 300
Chlorine production up to g/Cl/h	30	60	90	150	200	300
∅ max. daily output g/day, approx.	660 720	1320 1440	1980 2160	3300 3600	4400 4800	6600 7200
Chlorine concentration g/chlorine/l, approx.	6-7	6-7	6-7	6-7	6-7	6-7
Water consumption l/h, approx.	5	9	16	23	30	46
Salt consumption g/h, approx.	142	249	463	605	854	1353
Energy demand kWh operation	0.135	0.27	0.405	0.700	0.900	1.35
Flow monitoring	Yes	Yes	Yes	Yes	Yes	yes
Automatic temperature limitation	yes	Yes	Yes	Yes	Yes	Yes
Monitoring of backflow in hydrogen pipe	Yes	Yes	Yes	Yes	Yes	Yes
Refill control in softener	Yes	Yes	Yes	Yes	Yes	yes
Product tank with hydrostatic level measurement	yes	Yes	Yes	Yes	Yes	Yes
Operation mode	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone
Softening plant	integrated	integrated	integrated	integrated	integrated	integrated
Modbus interface	yes	Yes	Yes	Yes	Yes	yes
Integrated control technology	yes	Yes	Yes	Yes	Yes	yes
Clear text menu navigation	yes	Yes	Yes	Yes	Yes	Yes

Installation conditions

	h x w x d (mm) 1212 x 772 x 195	h x w x d (mm) 1212 x 772 x 195	h x w x d (mm) 1212 x 772 x 195	h x w x d (mm) 1212 x 772 x 195	h x w x d (mm) 1212 x 772 x 195	h x w x d (mm) 1212 x 772 x 195
Required space (approx.)						
Min./max. room temperature	10 °C - 40 °C	10 °C - 40 °C	10 °C - 40 °C	10 °C - 40 °C	10 °C - 40 °C	10 °C - 40 °C
Ventilation of installation room	required	required	required	required	required	required
Process water inlet temperature	max. 25 °C	max. 25 °C	max. 25 °C	max. 25 °C	max. 25 °C	max. 25 °C
Closed hydrogen discharge to the outside	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising
Special measures for storage	none	none	none	none	none	none
Handling of hazardous materials	no	no	no	no	no	no
Separate technical room	no	no	no	no	no	no

Service for all VoDes systems

Available from specialist dealer/plant engineer, or as factory customer service.

Higher efficiency with dinotec operating resources

Maximum efficiency and extended service life of the system with dinosolit (type A salt quality*). Note on EU Biocidal Product Regulation:

dinotec has been listed on ECHA's Article 95 list under "Active chlorine generated from sodium chloride by electrolysis" for product types 1-5 via Chemoform AG.

* Salt specifications for type A salt: NaCl min. 99.90 % / hardeners (sum Ca and Mg) max. 50 ppm / sulphate (SO4) < 400 ppm / bromide (Br) < 75 ppm / manganese (Mn) < 1 ppm / iron (Fe) < 2 ppm / components insoluble in water < 0.1 %.

Take advantage of the market leader in electrolysis systems and plant engineering

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Our experienced engineers will support you in the planning of your project. We will also be pleased to provide advice on other electrolysis systems we offer:

VoDes Sea tubular cell electrolyzers (natural brine)

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VoDes tubular cell electrolyzers (large systems)

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MZE membrane cell electrolyzers



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* to dinotec warranty conditions

Subject to technical changes. Errors excepted. 11/2020