dinotec
Water & Pool Technology

Swimming pool fun can be so easy:

VoDes BlueWave

ON-SITE ELECTROLYSIS

Chlorine supply on site.
Control included:

Good value for money

Convenient

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 - perfect for treating your swimming pool water or disinfecting drinking water. The disinfectant is always added directly and as required to the water cycle as needed, optionally controlled via the integrated control technology. Complemented with the right measuring and dosing technology, the VoDes transforms into a full-scale 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.

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.

Designed for a reliable, continuous operation

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

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	up to approx. 100 m³	✓					
private	up to approx. 200 m³		✓				
	up to approx. 300 m³			✓			
	up to approx. 500 m³				✓		
	up to approx. 670 m³					✓	
	up to approx. 1000 m³						✓
Pool water disinfection	up to approx. 40 m³	✓					
public	up to approx. 100 m³		✓				
	up to approx. 200 m³			✓			
	up to approx. 250 m³				✓		
	up to approx. 330 m³					✓	
	up to approx. 500 m³						✓
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.

30 | 60 | 90 | 150 | 200 | 300

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Technical features

	VoDes 30	Vodes 60	Vodes 90	Vodes 150	Vodes 200	VoDes 300
Chlorine production up to g/Cl/h	30	60	90	140	200	300
ø | max. daily output g/day, approx.	660 | 720	1320 | 1440	1980 | 2160	3080 | 3360	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.	108	216	324	540	720	1080
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

Required space (approx.)	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
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 % / hardness-forming components (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 %.

Simply enjoy the best water!

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Leverage the expertise of the market leader in electrolysis systems and plant engineering

Our experienced engineers will support you in the planning of your project. We will be happy to advise you on our other electrolysis systems as well:

VoDes Sea tubular cell electrolysers (natural brine)

VoDes tubular cell electrolysers (large systems)

MZE membrane cell electrolysers

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* According to dinotec warranty conditions

Subject to technical changes. Errors excepted. 01/2025

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Dreams, health & care with water