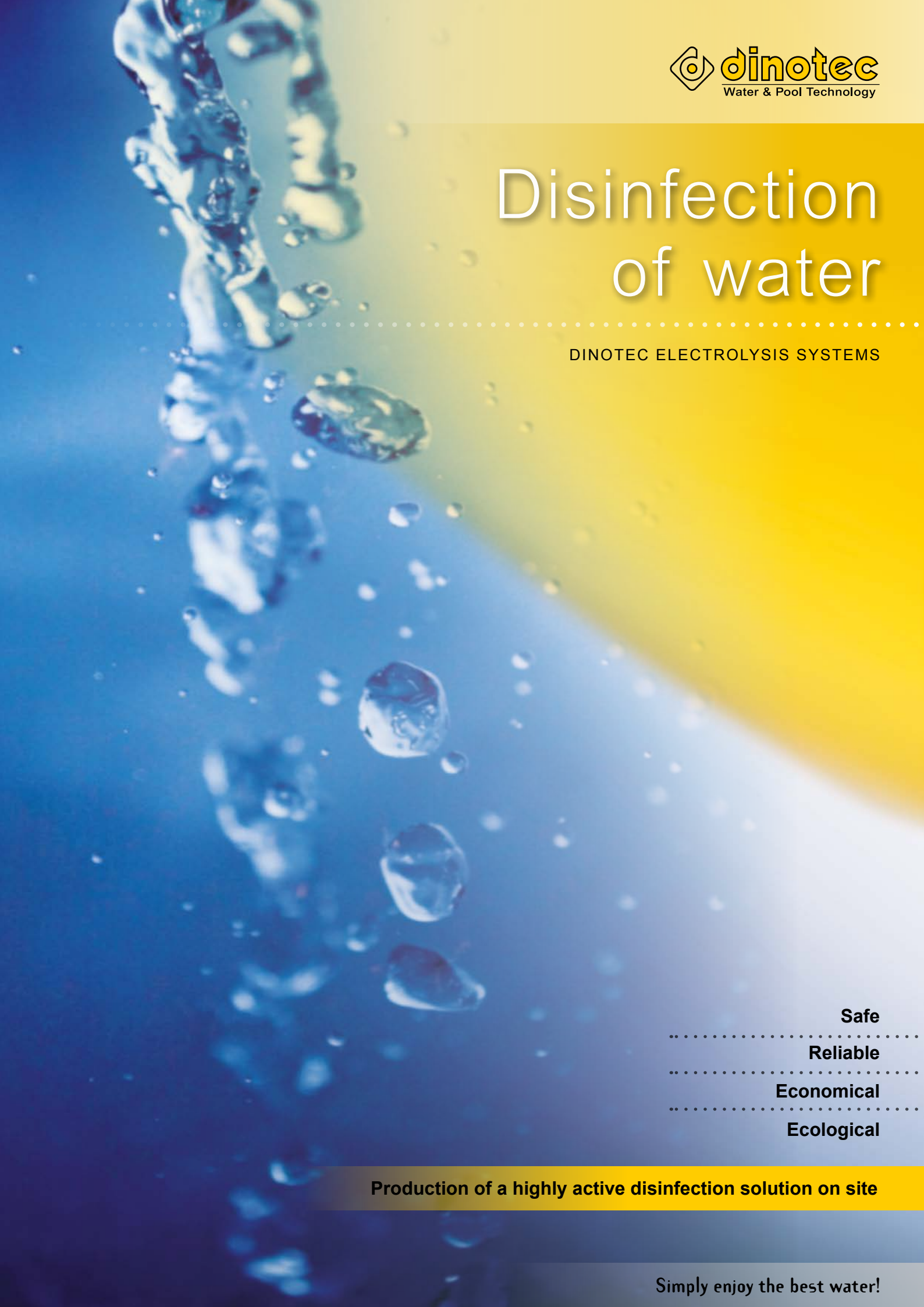


dinotec
Water & Pool Technology

Disinfection of water

DINOTEC ELECTROLYSIS SYSTEMS

Safe

Reliable

Economical

Ecological

Production of a highly active disinfection solution on site

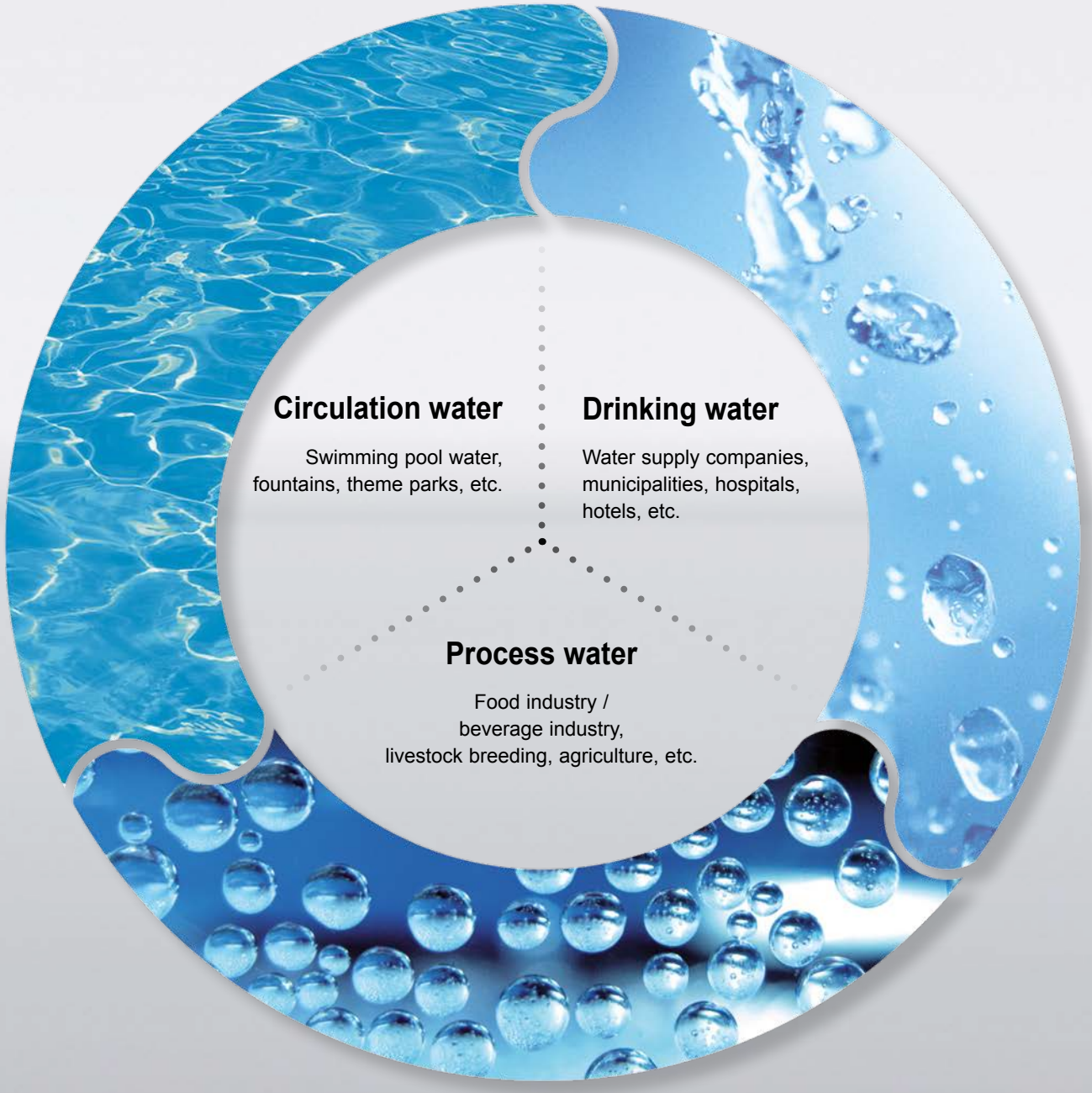
Simply enjoy the best water!

Malaysia

Petronas
Cooling tower water treatment,
VoDes TWIN,
4x17 kg Cl_2/h

Simply brilliant...

dinotec electrolysis systems use salt, water and electricity for an on-site production of fresh, highly active chlorine used for effective disinfection of water.



dinotec
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Continuous operation with triple safety

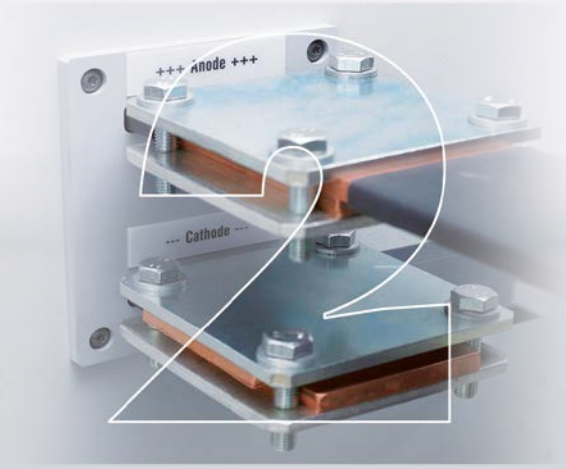
Effective and dependable

Fresh, ultra-pure, highly active – these are the characteristics of chlorine produced with dinotec electrolysis systems

Fresh = Production on site, no age-related loss of effectiveness

Ultrapure = Without impurities and supplemental additives

Highly active = High efficiency, high stability, high disinfection effect. This refers, among other things, to the multi-disinfection effect of the produced oxidants, which positively support the disinfection process.



Safe operation

dinotec electrolysis systems are used worldwide, even under extreme conditions. A reliable, continuous operation of the systems is a basic requirement, especially in remote areas. Sit back and relax. dinotec guarantees the reliable operation of its systems and offers various warranty packages up to a lifetime warranty (15 years*).

Safe for the environment

No risks for nature or operating spaces

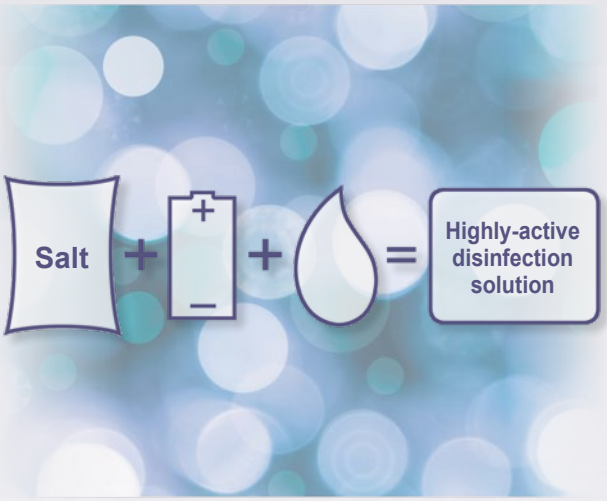
No special security measures required

No operational risks like those associated with chlorine gas systems

No transport of hazardous materials/chemicals

No regular handling of chemicals on site

* According to dinotec terms of guarantee

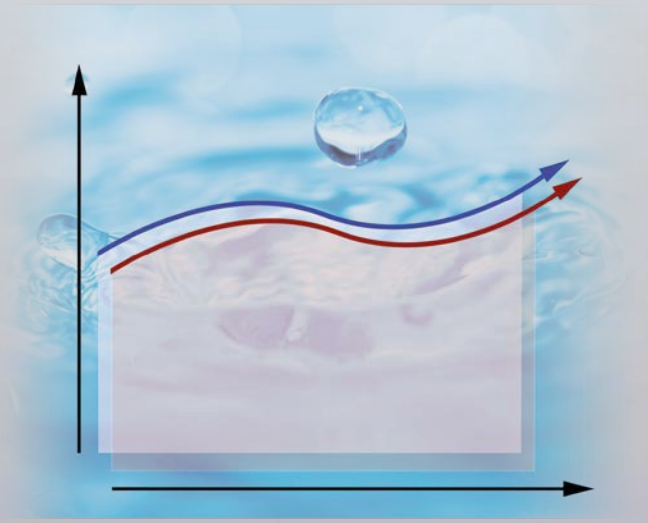


Simple and straightforward

- No special storage facilities required
- Reduces operating costs

Common salt: an eco-friendly operating resource

- Low energy input for the production (hardly any contribution to the greenhouse effect)
- Use of powder salt possible
- EU Biocidal Product Regulation: dinotec is listed through Chemoform AG on the Article 95 List under "Active chlorine generated from sodium chloride by electrolysis" for product types 1-5 at ECHA.



Demand-based, highly effective disinfection

- Production of the disinfection solution on site
- Safe
- Cost-cutting, since demand-based
- Highly effective

Top safety due to remote maintenance via dinoRemote

- Increased operational safety with dinotec remote monitoring
- Protection of your investment

Safety risks eliminated

- No transport of hazardous materials
- No special safety equipment needed

Low storage and transport costs

- Easy handling
- Low storage area requirements
- Reduced handling and logistics costs
- No hazardous materials
- Low acquisition price

Overview of dinotec systems

Vodes BlueWave

Tubular electrolysis systems 150 / 200 / 300 g Cl_2/h

- Particularly robust
- Reliable operation, even under extreme conditions
- Easy to install (comparable to a washing machine)
- Low space requirements
- Peak demand periods are covered by a product storage tank
- Easy operation
- Easy maintenance by trained personnel
- Economically priced entry-level electrolysis technology
- Use of powder salt possible
- Integrated control technology. Extension to a full-fledged measurement, control and dosing metering system possible
- Interface Modbus/RS 485
- 3-year warranty*

Examples of use

- Drinking water disinfection up to approx. 90 m^3/h
- Drinking water disinfection in domestic installations
- Swimming pool water disinfection (private, hotels, fitness centers, etc.)

* According to dinotec terms of guarantee

VoDes UD / VoDes UD TWIN

Tubular electrolysis systems 500 - 20,000 g Cl_2/h

- Particularly robust
- Reliable operation, even under extreme conditions
- Peak demand periods are covered by a product storage tank
- Easy operation
- Maintenance by factory service staff/contractors
- Top value for money
- Remote maintenance via dinoRemote
- Use of powder salt possible

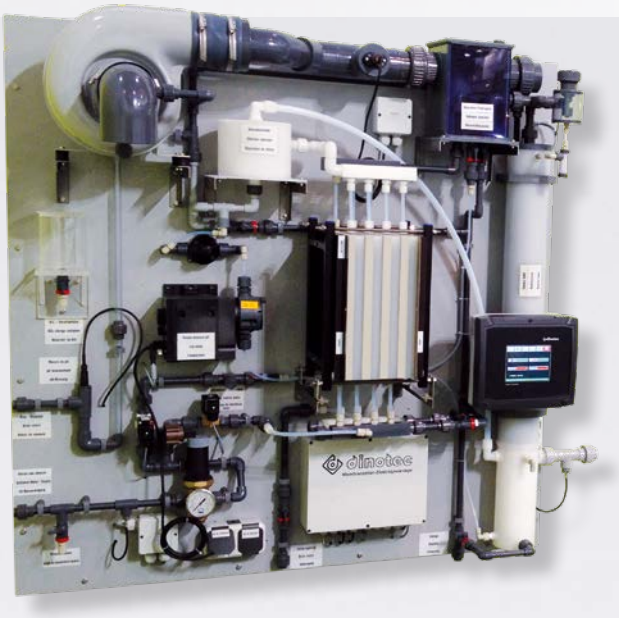
TWIN systems from 2,000 g Cl_2/h

- Increased system safety through TWIN technology
- Backup operation using TWIN technology
- Lower investment costs thanks to TWIN technology

Examples of use

- Drinking water disinfection for water treatment plants and in domestic installations
- Swimming pool water disinfection (communal pools, water parks, etc.)
- Food / beverage industry
- Cooling towers. Disinfection of cooling water

dinotec
Water & Pool Technology



Membrano EC

Membrane cell electrolysis systems 16 - 80 g Cl2/h

- Developed for private and small public applications
- Available versions: direct and tank
- Simple compact design
- Integrated water softening using reverse osmosis
- Production of pH-neutral disinfection solution with the Membrano EC direct version
- No addition of gas
- Enhanced safety through integrated chlorine gas measurement
- Easy maintenance by specialist dealer
- Remote monitoring via dinoAccess app
- 3-year guarantee*

MZE / MZE SMART

Membrane cell electrolysis systems 125 - 5,000 g Cl2/h

- High efficiency
- Low operating costs (electricity, water, salt)
- No carryover of salt
- Robust process technology
- Peak demand periods are covered by a product storage tank
- Maintenance by factory service staff/contractors
- Remote maintenance via dinoRemote
- Reduced energy costs due to Marathon technology
- 5-year guarantee*

Examples of use

- Private, hotels, fitness centers, etc.

Examples of use

- Drinking water disinfection for water supply companies
- Swimming pool water disinfection (hotels, communal pools, water parks, etc.; particularly suitable for stainless steel pools)
- Food / beverage industry

Technical data

Higher efficiency with dinotec operating resources

Maximum efficiency and extended service life of the electrolysis system with dinosolit (type A salt quality*).

* Salt specifications for type A salt: NaCl min. 99.90 % / Hardness components (sum of Ca and Mg) max. 50 ppm / Sulphate (SO_4) < 400 ppm / Bromide (Br) < 75 ppm / Manganese (Mn) < 1 ppm / Iron (Fe) < 2ppm / Water-insoluble components < 0.1 %

VoDes BlueWave

(Tubular electrolysis)

		VoDes BlueWave 30	VoDes BlueWave 60	VoDes BlueWave 90	VoDes BlueWave 150	VoDes BlueWave 200	VoDes BlueWave 300 [3]
Performance	Chlorine production up to Cl_2/h	30	60	90	140	200	300
	ø | Max. daily output Cl_2/day, approx.	660 | 720	1320 | 1440	1980 | 2160	3080 | 3360	4400 | 4800	6600 | 7200
	Chlorine concentration Cl_2/l, approx.	6-7	6-7	6-7	6-7	6-7	6-7
	Operating mode	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone
	Energy demand kWh operation	0.135	0.27	0.405	0.7	0.9	1.35
	Salt consumption g/h, approx.	108	216	324	540	720	1080
	Water consumption l/h, approx.	8	11	18	29	37	48
Properties	Flow control	yes	yes	yes	yes	yes	yes
	Monitoring of backflow in hydrogen line	yes	yes	yes	yes	yes	yes
	Softening plant	integrated	integrated	integrated	integrated	integrated	integrated
	Refill control in softener	yes	yes	yes	yes	yes	yes
	Product tank	yes	yes	yes	yes	yes	yes
Installation conditions	Process water inlet temperature (°C) max.	25	25	25	25	25	25
	Min./max. room temperature [° C]	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40
	Closed hydrogen discharge to the outside	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising
	Ventilation of installation room	yes	yes	yes	yes	yes	yes
	Special measures for storage	none	none	none	none	none	none
	Handling of hazardous materials	no	no	no	no	no	no
	Separate operating room	no	no	no	no	no	No
	Space requirements approx. w x d x h (mm)	1212 x 772 x 195	1212 x 772 x 195	1212 x 772 x 195	1212 x 772 x 195	1212 x 772 x 195	1212 x 772 x 195

Recommendations for use

Pool water disinfection private, ca.	up to 40 m³	40 m³ - 200 m³	60 m³ - 300 m³	up to approx. 500 m³	up to approx. 670 m³	up to approx. 900 m³
Pool water disinfection public, ca.	up to 40 m³	40 m³ - 100 m³	40 m³ - 200 m³	up to approx. 250 m³	up to approx. 330 m³	up to approx. 450 m³
Drinking water supply municipal, communal (TVO, § 11 UBA)	yes	yes	yes	yes	yes	yes
Drinking water supply on ships or the like (TVO, § 11 UBA)	yes	yes	yes	yes	yes	yes
Water treatment: beverage industry	yes	yes	yes	yes	yes	yes
Water treatment: circulation water	yes	yes	yes	yes	yes	yes
Water treatment: waste water	yes	yes	yes	yes	yes	yes
Water treatment: aquaria, fish farming	yes	yes	yes	yes	yes	yes
Water treatment: livestock breeding	yes	yes	yes	yes	yes	yes
Water treatment: nuclear power plants	no	no	no	no	no	no
Water treatment: others	yes	yes	yes	yes	yes	yes

1 = The actual output can deviate from the rated capactiy by +/- 5%.
[2] = Fresh water quality according to prevailing drinking water regulations.
[3] = For export only

Additional system sizes available on request.

Ruanda
Drinking water treatment

VoDes UD 5000 and 1500,
total 29 kg Cl2/h

Drinking water for
about 4 million inhabitants

dinotec
Water & Pool Technology

VoDes UD

(Tubular electrolysis)

		VoDes UD 1000	VoDes UD 2000	VoDes UD 3000	VoDes UD 4000	VoDes UD 5000	VoDes UD 6000	VoDes UD 7000	VoDes UD 8000	VoDes UD 10000	VoDes UD 15000
Performance	Capacity approx. g Cl_2/h	1000	2000	3000	4000	5000	6000	7000	8000	10000	15000
	Rated capacity [1] approx. kg Cl_2/d	24	48	72	96	120	144	168	192	240	360
	Concentration of hypochlorite solution [g/l] approx.	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7
	Operating mode	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone
	Operating material dinosolit salt tablets or equivalent	recommend-ed	recommend-ed	recommend-ed	recommend-ed	recommend-ed	recommend-ed	recommend-ed	recommend-ed	recommend-ed	recommend-ed
Consumption	Energy demand kWh	4.5	9.0	13.5	18.0	22.5	27.0	31.5	36.0	45.0	67.5
	Consumption of (tablet) salt per operating hour (kg/h) approx.	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8	36.0	54.0
	Fresh water consumption [2] (l/h) approx.	140	280	420	560	700	840	980	1120	1400	2090
	Fresh water consumption for cooling	No	no	no	no	no	no	no	no	no	No
Properties	Duplex water softener with swelling resin sensor	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Air flow sensor	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Level control brine and product tank	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Frame of the electrolysis sys-tem coated in stainless steel	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
	Remote monitoring	included	included	included	included	included	included	included	included	included	included
	Networking with the dinotecNet+ control	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Installation conditions	Mains connection (V/Hz)	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
	Connected load (kVA)	9	17	26	32	39	45	51	58	75	118
	Min./max. room temperature (°C)	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40
	Required operating pressure fresh water (bar)	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5
	Process water inlet temperature (°C) max.	20	20	20	20	20	20	20	20	20	20
	Supply air opening for installation room	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
	Hydrogen discharge to the outside	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising	yes, continu-ously rising
Dimensions	Dimensions w x h x d (electrolyser unit) mm	1300 x 2200 x 700	1300 x 2200 x 700	1500 x 2200 x 700	1500 x 2200 x 700	1600 x 2200 x 700	1600 x 2200 x 700	1700 x 2200 x 700	2000 x 2200 x 700	2200 x 2200 x 700	2000 x 2200 x 1000
	Dimensions l x w x h (control cabinet) mm	600 x 1300 x 400	600 x 1300 x 400	600 x 1300 x 400	800 x 2250 x 800	1600 x 2250 x 800	1600 x 2250 x 800	1600 x 2250 x 800	1600 x 2250 x 800	1600 x 2250 x 800	1600 x 2250 x 800

1 = The actual output can deviate from the rated capactiy by +/- 5%.
2 = Fresh water quality according to prevailing drinking water regulations.

Other system sizes on request.

VoDes UD TWIN

(Tubular electrolysis)

		VoDes UD TWIN 2000	VoDes UD TWIN 4000	VoDes UD TWIN 6000	VoDes UD TWIN 8000	VoDes UD TWIN 10000	VoDes UD TWIN 12000	VoDes UD TWIN 15000	VoDes UD TWIN 20000
Performance	Capacity approx. g Cl_2/h	2000	4000	6000	8000	10000	12000	15000	20000
	Rated capacity [1] approx. kg Cl_2/d	44	88	132	176	220	264	330	440
	Energy demand kWh	9.0	18.0	27.0	36.0	45.0	54.0	67.5	90.0
	Concentration of hypochlorite solution [g/l] approx.	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7
	Operating mode	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone
	Operating material dinosolit salt tablets or equivalent	Seawater, natural brine or similar	Seawater, natural brine or similar	Seawater, natural brine or similar	Seawater, natural brine or similar	Seawater, natural brine or similar	Seawater, natural brine or similar	Seawater, natural brine or similar	Seawater, natural brine or similar
Consumption	Fresh water consumption [2] (l/h) approx.	290	560	850	1120	1400	1670	2100	2800
	Fresh water consumption for cooling	No	no	no	no	no	no	no	No
	Consumption of (tablet) salt per operating hour	no	no	no	no	no	no	no	No
Properties	Required operating pressure fresh water (bar)	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5
	Process water inlet temperature (°C) max.	25	25	25	25	25	25	25	25
	Flow rate of sample water (l/h) approx.	350	500	700	840	1050	1400	1750	2100
	Duplex water softener with swelling resin sensor	not required	not required	not required	not required	not required	not required	not required	not required
	Frame of the electrolysis system coated in stainless steel	yes	yes	yes	yes	yes	yes	yes	yes
	Air flow sensor	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Level control brine and product tank	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Remote monitoring	yes, via LAN	yes, via LAN	yes, via LAN	yes, via LAN	yes, via LAN	yes, via LAN	yes, via LAN	yes, via LAN
Installation conditions	Hydrogen discharge to the outside	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising
	Supply air opening for installation room	yes	yes	yes	yes	yes	yes	yes	yes
	Mains connection (V/Hz)	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
	Connected load (kVA)	6	7	9	11	13	17	21	26
	Min./max. room temperature (°C)	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40
Dimensions	Dimensions w x h x d (electrolyser unit) mm	1400 x 2250 x 1000	1600 x 2250 x 1000	1600 x 2250 x 1000	1800 x 2250 x 1000	1800 x 2250 x 1000	2000 x 2250 x 1000	2300 x 2250 x 1000	2500 x 2250 x 1000
	Dimensions l x w x h (control cabinet) mm	800 x 2000 x 800	800 x 2000 x 800	1600 x 2000 x 800	600 x 1300 x 400	600 x 1300 x 400	600 x 1300 x 400	1200 x 2200 x 800	1200 x 2200 x 800

1 = The actual output can deviate from the rated capactiy by +/- 5%.

[2] = Fresh water quality according to prevailing drinking water regulations.

dinotec
Water & Pool Technology

Membrano EC

(Membrane cell electrolysis)

		EC 16 direct	EC 26 direct	EC 40 direct	EC 80 direct	EC 16 tank	EC 26 tank	EC 40 tank	EC 80 tank
Performance	Capacity approx. g Cl_2/h	16	26	38	76	16	26	38	78
	Rated capacity [1] approx. g Cl_2/d	384	624	912	1824	384	624	912	1824
	Energy demand Wh	100	150	180	330	100	150	180	330
	System output (%)	20 - 100 (controlled)	20 - 100 (controlled)	20 - 100 (controlled)	20 - 100 (controlled)	100 (constant)	100 (constant)	50 - 100 (controlled)	50 - 100 (controlled)
	Product concentration approx. (g/ Cl_2/h), depending on flow rate	according to demand request	according to demand request	according to demand request	according to demand request	6.5	10	9	9
	Operating mode	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone
	Operating resource dinosolit salt tablets or equivalent	yes	yes	yes	yes	yes	yes	yes	yes
	Salt consumption (g/h) approx.	59	96	140	280	37	60	88	177
Properties	Product pH level (pH) approx.	7 - 7.5	7 - 7.5	7 - 7.5	7 - 7.5	10.5	10.5	10.5	10.5
	Salt is carried over into product	None	none	none	None	minor	minor	minor	minor
	Product reserve (l)	Production in line with demand	Production in line with demand	Production in line with demand	Production in line with demand	1 l (optionally extendable)	1 l (optionally extendable)	40 l (stand-alone)	75 l (stand-alone)
	Softening plant	Reverse osmosis (integrated)	Reverse osmosis (integrated)	Reverse osmosis (integrated)	Reverse osmosis (integrated)	Reverse osmosis (integrated)	Reverse osmosis (integrated)	Reverse osmosis (integrated)	Reverse osmosis (integrated)
	Power module	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Level control brine and product tank	included	included	included	included	included	included	included	included
	Remote monitoring	yes	yes	yes	yes	yes	yes	yes	yes
	Operation of 2 pools	No	No	Yes (extension set)	Yes (extension set)	yes	yes	yes	yes
	Transport weight (kg), approx.	55	55	52 (plus pumps)	52 (plus pumps)	45	45	47	47
Installation conditions	Mains connection (V/Hz)	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
	Process water inlet temperature (°C)	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25
	Hydrogen discharge to the outside	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising
	Ventilation of installation room	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume	Air exchange rate min. 2m³/h per m³ room volume
	Min./max. room temperature (°C)	10 - 32	10 - 32	10 - 32	10 - 32	10 - 32	10 - 32	10 - 32	10 - 32
Dimensions	Dimensions W x H x D (wall mounting plate) mm	900 x 1030 x 250	900 x 1030 x 250	900 x 1030 x 250	900 x 1030 x 250	900 x 1030 x 250	900 x 1030 x 250	900 x 1030 x 250	900 x 1030 x 250
	Space required for installation (mm)	500 x 1300	500 x 1300	500 x 1300	500 x 1300	500 x 1300	500 x 1300	500 x 1300	500 x 1300

1 = The actual output can deviate from the rated capactiy by +/- 5%.
[2] = Fresh water quality according to prevailing drinking water regulations.

MZE SMART

(Membrane cell electrolysis)

With Marathon technology

		MZE SMART 125	MZE SMART 250
Performance	Capacity approx. g Cl_2/h	125	249
	Rated capacity [1] approx. kg Cl_2/d	3	6
	Product concentration approx. [g Cl_2/h]	13	13
	Operating resource dinosolit salt tablets or equivalent	yes	yes
Consumption	Energy demand kWh	3.3	3.3
	Salt demand (kg per 1 kg chlorine)	1.7	1.7
	Fresh water consumption [2] (l/h) approx.	20	30
Properties	Softening plant	Reverse osmo-sis (integrated)	Reverse osmo-sis (integrated)
	Brine tank and product tank (l) (standard)	100	200
	Level control brine tank and product tank	included	included
	Power module	integrated	integrated
	Remote monitoring	yes	yes
	Frame of the electrolysis system coated in stainless steel	yes	yes
	Transport weight (kg), approx.	70	80
Installation conditions	Connected load (kVA / V / Hz)	1.0 / 230 / 50	1.0 / 230 / 50
	Fresh water supply pressure (bar) min./max.	2.8 / 6	2.8 / 6
	Fresh water temperature (°C)	10 - 23	10 - 23
	Max. length of pipe to product tank (m)	5	5
	Hydrogen discharge to the outside	continuously rising, min. d63	continuously rising, min. d63
	Supply air opening for installation room	yes	yes
	Min./max. room temperature	10 - 30	10 - 30
	Room height min.	2.3	2.3
	Dimensions W x H x D (wall mounting plate) mm	1000 x 1150 x 400	1000 x 1150 x 400

1 = The actual output can deviate from the rated capactiy by +/- 5%.
[2] = Fresh water quality according to prevailing drinking water regulations.

Aquapark Olesnica
Oleśnica, Poland

Swimming pool water treatment,
MZE 2500 g Cl_2/h

ⓘ System upgraded:
savings per month about 2500 €

dinotec
Water & Pool Technology

MZE

(Membrane cell electrolysis)

With Marathon technology

		MZE 500	MZE 750	MZE 1000	MZE 1250	MZE 1500	MZE 2000	MZE 2500	MZE 3000	MZE 4000	MZE 5000
Performance	Capacity approx. g Cl_2/h	500	750	1000	1250	1500	2000	2500	3000	4000	5000
	Rated capacity [1] approx. kg Cl_2/d	10	15	20	25	30	40	50	60	80	100
	Energy demand kWh	1.8	2.7	3.6	4.5	5.4	7.2	9.0	10.8	14.4	18.0
	Concentration of hypochlorite solution [g/l] approx.	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35
	Operating mode	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone	stand-alone
	Operating material dinosolit salt tablets or equivalent	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Consumption	Fresh water consumption [2] (l/h) approx.	15	23	30	38	45	60	75	90	120	150
	Consumption of fresh water for cooling (l/h) approx.	15	23	30	38	45	60	75	90	120	150
	Consumption of (tablet) salt per operating hour (kg/h) approx.	0.9	1.28	1.7	2.2	2.5	3.4	4.2	5.1	6.8	8.5
Properties	Softening plant	optional	optional	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Chlorine gas monitoring	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
	Brine and product tank	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
	Remote monitoring	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
	Frame of the electrolysis system coated in stainless steel	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Installation conditions	Mains connection (V/Hz)	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
	Connected load (kVA)	5	6.5	7.5	10	12.5	15	20	25	30	35
	Hydrogen discharge to the outside	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising	yes, continuously rising
	Supply air opening for installation room	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
	Required operating pressure fresh water (bar)	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5
	Process water inlet temperature (°C) max.	15	15	15	15	15	15	15	15	15	15
	Min./max. room temperature (°C)	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30
Dimensions	Dimensions w x h x d (electrolyser unit) mm	1300 x 1300 x 400	1300 x 1300 x 400	960 x 2200 x 1330	960 x 2200 x 1600	960 x 2200 x 1600	960 x 2200 x 2070	960 x 2400 x 2440	960 x 2500 x 1700	1300 x 2500 x 2070	1300 x 2500 x 2440
	Dimensions l x w x h (control cabinet) mm	600 x 1300 x 400	600 x 1300 x 400	600 x 1300 x 400	600 x 1300 x 400	600 x 1300 x 400	600 x 1300 x 400	800 x 1300 x 400	800 x 1300 x 400	800 x 1300 x 400	800 x 1300 x 400

1 = The actual output can deviate from the rated capactiy by +/- 5%.
[2] = Fresh water quality according to prevailing drinking water regulations.

Other system sizes on request.

Aquariohm
Wellness und Sportbad
Mücke, Germany

Swimming pool water treatment
MZE SMART 250 g Cl_2/h

Using smart technology to reduce operating costs

Electrolysis with Marathon technology

The future has started!

The new Marathon technology enhances the efficiency of membrane cell systems and significantly extends the service life of the cell packages.

The new technology can also be described as “continuous self-optimization”. All essential operating parameters of the system are recorded and regulated by the integrated dinotecNET+ control technology. This ensures that the system is always operated at its optimal operating point.
A comparison with a car explains the principle quite well: Conventional electrolysis technology is like a car that is cold started, then driven at full throttle, and then turn off again until the next use. This mode of operation significantly affects the service life. The Marathon technology is completely different: the system always runs at the optimal operating point, meaning with reduced system output and continuously at the "most efficient speed".

This results in a longer service life of the system and up to 15% energy savings since the electrolysis current is reduced, the electrolysis voltage decreases at the same time, and the number of start-up and shutdown cycles is reduced.

5 years WARRANTY*

In connection with a standard maintenance contract*, dinotec offers a five-year warranty for all systems with Marathon technology. Existing systems equipped with intelligent dinotecNET+ control technology can be upgraded.

Comprehensive worry-free package

dinotec service contract

All financing options include an accompanying dinotec service contract - tailored to your requirements if desired. This ensures continuous system functionality throughout the contract duration. Your input of time and effort for the operation of the system is reduced to a minimum.

A good feeling

All maintenance and service works are carried out by the dinotec factory service or experienced contractors. A 24/7 service hotline and the option for remote access to the systems ensure quick troubleshooting. If things get critical, the service team can quickly provide on-site support

More safety

We offer a range of warranty options for all dinotec electrolysis systems. Whether you need coverage for 5, 10, or 15 years, for specific components or the entire system - we can accommodate your requirements.

dinotec LIFETIME GUARANTEE

Sibu
Borneo

Drinking water treatment
VoDes 6500, VoDes 4000,
21 kg Cl_2/h

ⓘ Reliable operation under extreme climatic conditions

dinotec – Experts in electrolysis for more than 25 years

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Subject to technical changes. Errors excepted. 03/2025

dino/FA-0.25-2111-en

Simply enjoy the best water!