

NEW

# Membrane cell electrolysis MZE SMART with Marathon technology



5-year warranty\*

Easy installation

Ecological

Efficient

Made in Germany

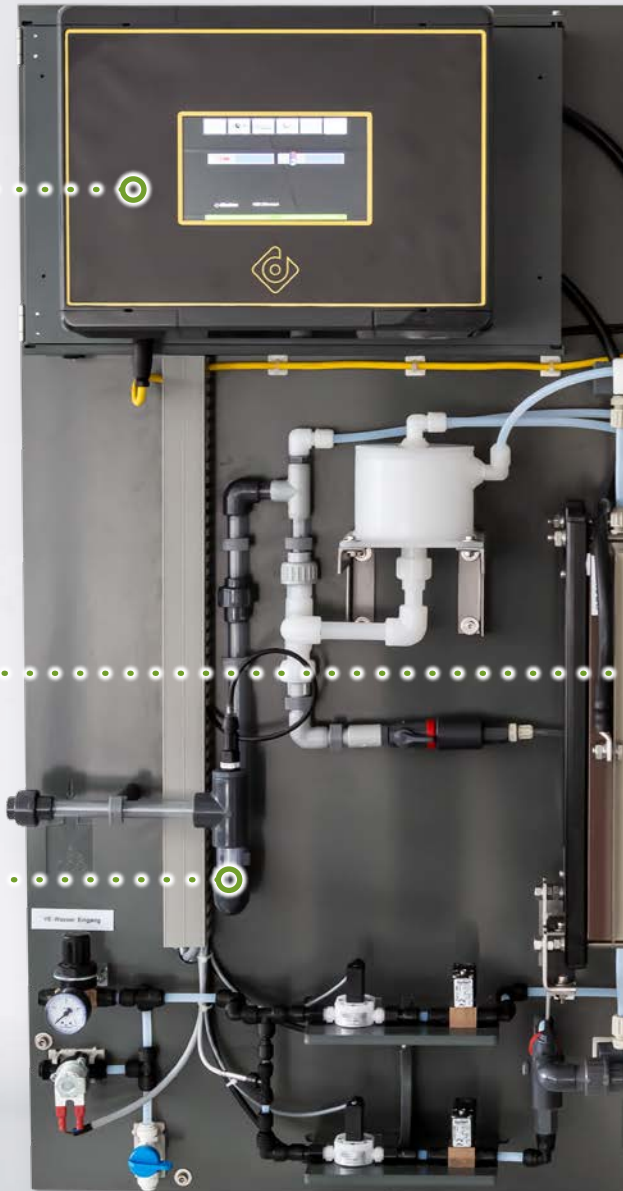
## MZE SMART

Simply enjoy the best water!

*Intelligent dinotecNET+ process technology with dinoRemote remote control and maintenance*

*Unlimited application options thanks to smart membrane cell technology*

*Proven principle ensures nearly 100% conversion of the used salt*



### **Marathon 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. As a result, the system runs continuously at its optimum speed.

This translates into a reduction of up to 15% in energy consumption by reducing both the current and the electrolysis voltage, as well as start-up and shutdown cycles.

Our Marathon technology has been used in dinotec MZE systems for years. Your advantage: a 5-year full system guarantee\*! Who else can offer that?

**5 Jahre  
GARANTIE\***



### **Cost-effective installation and maintenance**

With the MZE SMART, you save money right from the start: Thanks to the compact wall mounting system without a control cabinet, installation is quick and easy. Low space requirements. Time-saving and cost-effective maintenance and servicing.

\*According to dinotec warranty terms



With the MZE SMART, dinotec intelligently extends its range of membrane cell electrolysis (MZE) product family downwards. The sophisticated system design in combination with the dinotecNET+ intelligent control offers a wide range of applications:

Hotel pools, small indoor swimming pools, training pools, drinking water disinfection, etc. are ideal areas to use this clever system. An attractive price and simple wall mounting (without control cabinet!) are the icing on the cake.

### There are two models available

The MZE SMART 125 produces approx. 125 g active chlorine/h, daily output approx. 3.0 kg active chlorine  
 The MZE SMART 250 produces approx. 249 g active chlorine/h, daily output approx. 6.0 kg active chlorine

**Both systems deliver a product concentration of approx. 13g NaOCl/l.**



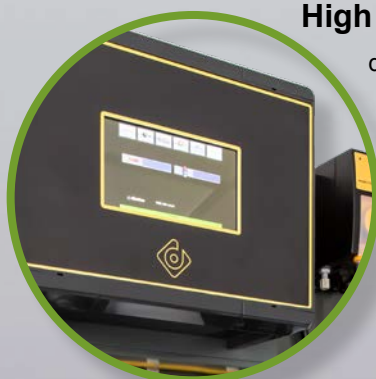
### Membrane cell technology as an advantage

MZE systems are popular, because there are almost no disinfection by-products. The systems offer a high degree of efficiency, and the sodium hypochlorite is produced without salt transfer into the pool water. This means that MZE systems can also be used in indoor swimming pools and pools with integrated stainless steel basins/components without any problems.

### Safety for guests and staff

A highly active disinfection solution is produced from salt, water and electricity via an electrolytic process. High potential hazards such as those associated with disinfection with chlorine gas or the handling of chlorine in canisters are eliminated.

### High operational safety due to dinoRemote



dinoRemote is a cloud-based solution for remote control and maintenance of dinotec systems. Remote control of the MZE SMART is like standing directly in front of the system, even though it takes place "via the line". All relevant system parameters can be queried and controlled remotely. This means increased operational safety and savings when servicing is required.

Speaking of safety: Of course, dinoRemote is secured by modern VPN technology.



### Technical data:

**MZE SMART  
125                      MZE SMART  
250**

System-specific connections:		
Connected power:	1.0 kVA, 1 x 230V/50Hz	2.0 kVA, 1 x 230V/50Hz
Fresh water consumption:	approx. 20 l/h	approx. 30 l/h,
Fresh water supply pressure:	mind. 2.8 bar, max. 6 bar	
Fresh water temperature:	10°C to 23 °C	
Process technology		
Production output: (depending on local operating conditions)	approx. 125 g active chlorine/h, approx. 3.0 kg/day	approx. 249 g active chlorine/h, approx. 6.0 kg/day
Product concentration:	approx. 13 g Cl <sub>2</sub> /l - corresponds to water hazard class 1	
Energy demand:	approx. 3.3 kg/1 kg chlorine	
Salt demand:	approx. 1.7 kg/1 kg chlorine	
Hydrogen pipe:	min. d50 x 4.3 – continuously rising	
Wall mounting frame:	high-alloy stainless steel 1.4301 additional special passivation of profile surface	
Length of pipe to product tank:	< 5 m	
Dimensions (WxHxD):	1100 x 1150 x 400 mm	
Softening plant:	separate	
Transport weight electrolysis:	approx. 70 kg	approx. 80 kg
Power module (integrated on electrolysis part)		
Dimensions (wxhxd) approx.:	500 x 300 x 50 mm	
Specifications for installation room (ventilated)		
Permissible room temperature:	+10 to +30 °C	
Ceiling height:	min. 2.3 m	

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Subject to technical changes. Errors excepted. 10/2022

