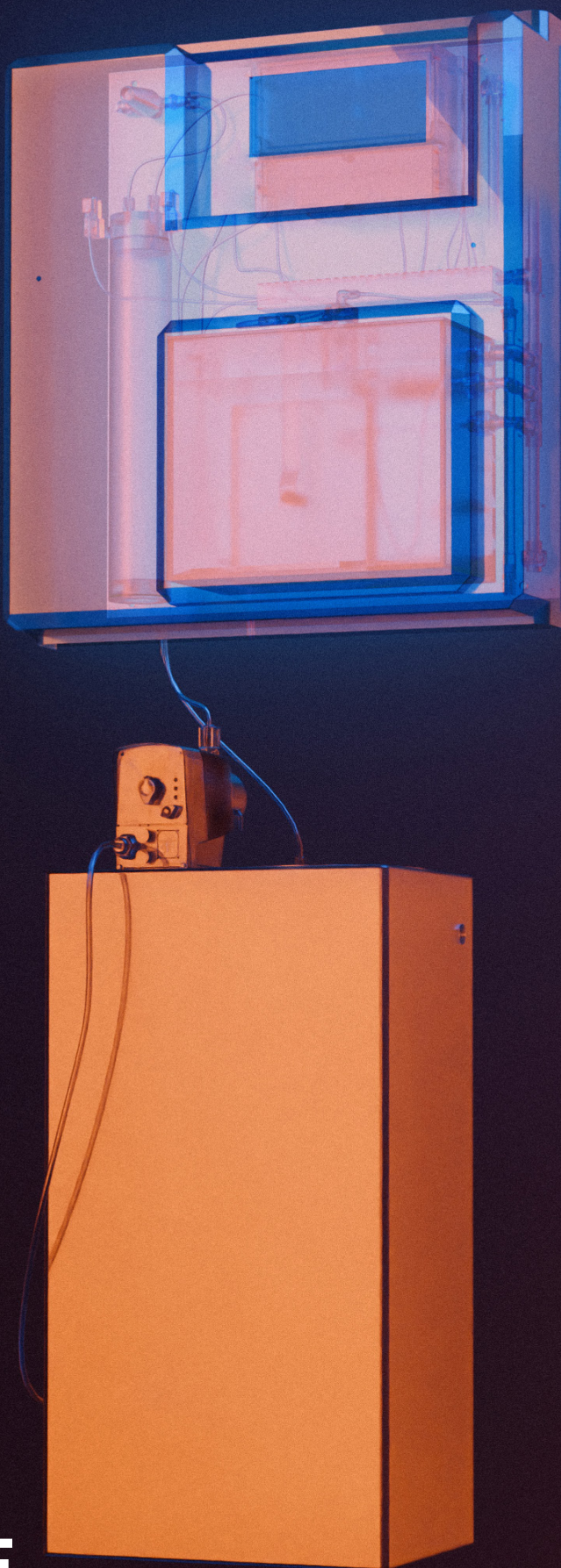
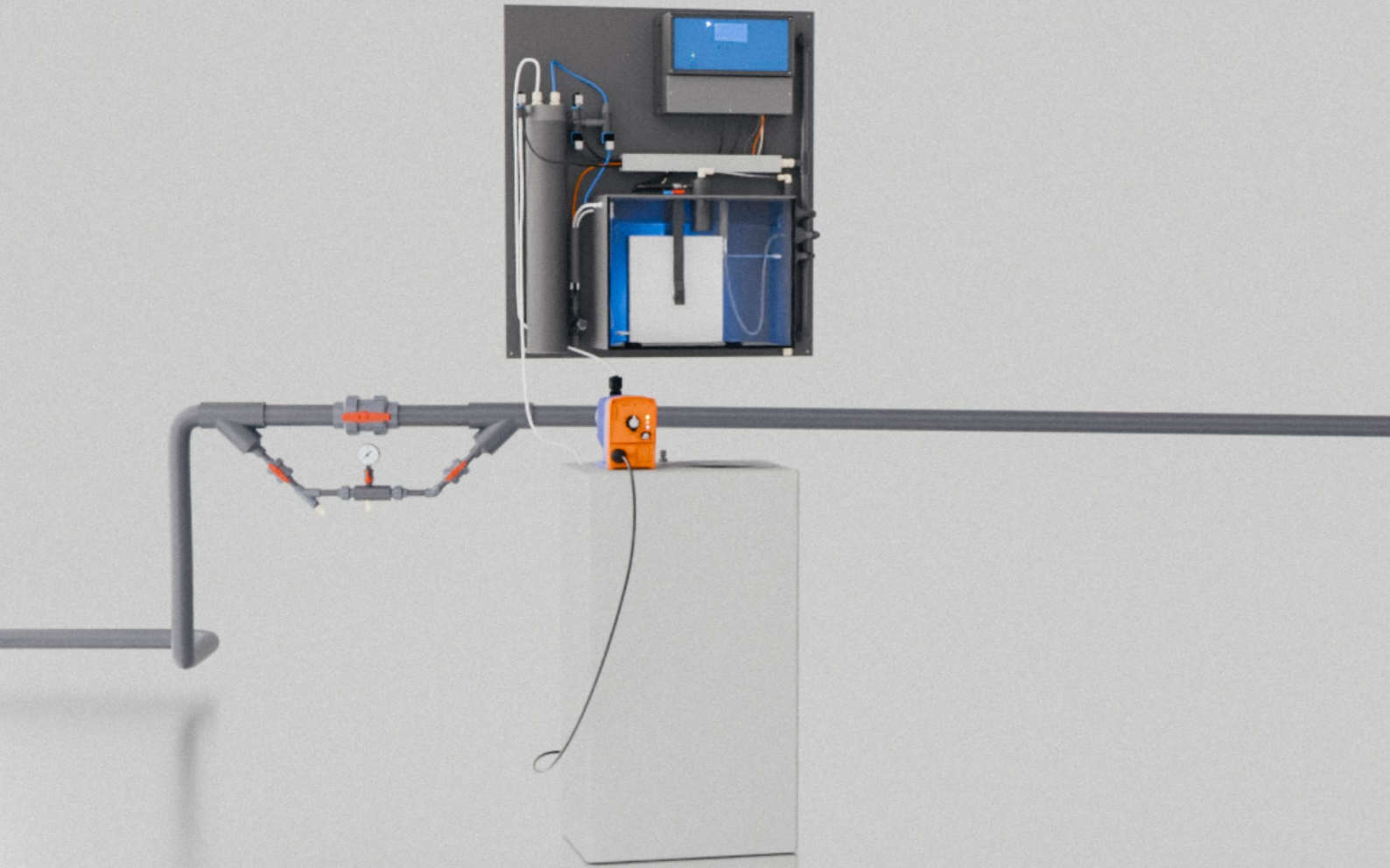




MEMBRANE ELECTROLYSIS PLANTS

The alternative to conventional chlorination.



MEMBRANE ELECTROLYSIS

TYPE 24/48/100

The systems are connected to the pool water.

Type 100 also requires a fresh water connection, while this is available as an option for Type 24 and 48.

Part of the pool water is used to absorb the disinfectant produced, which is fed into the circulation pipe by means of an injector. This means that no additional dosing pump is required.

The extraction is monitored and production is shut down if the minimum quantity is not reached. The cell is located underwater, eliminating any risk of chlorine leakage. An optional chlorine gas sensor is also available to monitor the ambient air. The system can be mounted using the optional wall brackets and the salt dissolving tank can be placed underneath. This minimizes space requirements and simplifies installation.

MATCHING YOUR MEMBRANE ELECTROLYSIS SYSTEM:

With our **dual dosing kit**, you can operate two water circuits with just one electrolysis unit.

This allows you to conveniently and energy-efficiently disinfect a pool and, for example, a whirlpool.

Avoid corrosion in your pool. With the **marble gravel container**, you can regulate the carbonate hardness of your pool.

Electrolysis vs. traditional chlorination



Skin-friendliness and well-being

The primary technical achievement of EWT systems lies in the production of highly pure, active disinfection in the form of hypochlorous acid (HOCL). This ensures that the ideal amount of active chlorine is always present in the water. This prevents overdosing and the formation of irritating chloramine by-products, which are responsible for the pungent "swimming pool smell" and irritation of the eyes and mucous membranes. The result is water that feels noticeably softer and does not irritate even sensitive skin. This makes the EWT solution the ideal choice for pools frequented by families, children, or people with sensitive skin. The absence of unpleasant chemical odors guarantees a bathing experience that meets the highest standards of comfort.

Cost efficiency and economic efficiency

Investing in an EWT system is an investment in the long-term cost-effectiveness of pool operation. Since the disinfectant is produced directly on site from inexpensive, commercially available table salt and electricity, there is no need to purchase, transport, and store expensive chlorine chemicals. The production costs for active chlorine are therefore significantly lower than the price of conventional chlorine bleach. Another factor is the drastic reduction in the need for pH-regulating care products. Conventional liquid chlorine products are often highly alkaline, which constantly raises the pH value of the water and requires the time-consuming and cost-intensive addition of pH minus. Electrolysis leads to lower chemical consumption, reduced personnel costs for adjusting the water chemistry, and also minimizes the risk of accidents when handling hazardous substances.



Ecological awareness and sustainability

Minimizing the use of chemicals and designing products for a long service life, as well as using salt and electricity for disinfection, will reduce the environmental impact of pool operation. There is no need to transport aggressive chemicals and store them in high-risk containers. Advanced membrane cell technology also prevents the salting of the bathing water. Unlike standard salt electrolysis systems, where the salt concentration increases over time and requires frequent, resource-intensive partial water renewal, the membrane ensures a closed cycle without unwanted accumulation. Every investment in an EWT system therefore contributes to the conservation of natural resources.



Areas of application.



Outdoor & indoor swimming pools

Whether public swimming pools or private pools and swimming ponds, our membrane electrolysis systems are part of your new swimming experience. Always the right amount of active chlorine in the water, no chlorine smell, and easy handling without hazardous chemicals.



Hotel, Spa & Wellness / Therapy baths / Whirlpools

High-quality components and an innovative technical process guarantee not only economical operation of your bathing and therapy facilities, but also optimal compatibility without skin irritation or unpleasant odors.



Water features and fountains

Public fountains and parks require a high degree of safety and reliability. We offer you exactly the right systems for this purpose, with sustainable benefits for the environment and operators.



Greenhouses and irrigation

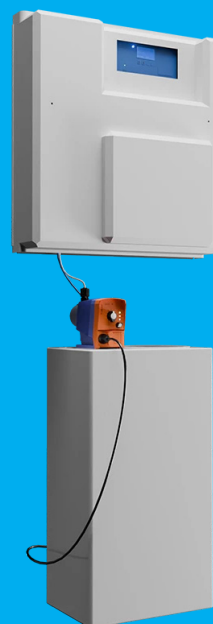
First-class water quality and an economical and reliable infrastructure. No matter how much water your greenhouse needs, we design your water treatment system to be specifically economical and require minimal maintenance.



MEMBRANE ELECTROLYSIS
TYPE 250 / 500

AREAS OF APPLICATION:

- Public outdoor swimming pools
- Public indoor swimming pools
- School swimming pools
- Therapeutic pools



MEMBRANE ELECTROLYSIS
TYPE 24 / 48 / 100

AREAS OF APPLICATION:

- Outdoor swimming pools, private/public
- Indoor swimming pools, private/public
- Therapeutic pools
- Whirlpools



MEMBRANE ELECTROLYSIS

TYPE 250/500 TYPE



These high-performance systems on a free-standing frame integrate perfectly into your existing equipment room. The electrolysis system operates automatically, safely, and reliably over the long term. Enjoy your pool and put your trust in proven technical Know-how made in Germany.

The electrolysis system is connected to fresh water and the pool water. The pool water is used to absorb the disinfectant produced, which is fed into the circulation pipe by means of an injector. This means that no additional dosing pump is required.

The extraction is monitored and production is switched off if the minimum quantity is not reached. The fresh water is used exclusively for production and is softened to a value between 0 and 1° dH by means of an independent softener. A pressure reducer reduces the inlet pressure of the fresh water to 1 bar and ensures constant conditions within the electrolysis cell. The system is pre-assembled on a free-standing frame. This significantly reduces the installation effort on site.

You can find more information about electrolysis
and our systems on our website.



Specifications		TYPE 24	TYPE 48	TYPE 100
Nominal power	g Cl ₂ /l	24	48	100
Water consumption 1 bar at 100%	l/h	1,0	2,0	5
Salt consumption	kg/d	3	6	10
Concentration of the solution (Cl)	g Cl ₂ /l	0,6	0,8	0,8
Hydrogen at 100%	l/h	10	20	50
Throughput through float chamber	l/h	40	60	120
PVC mounting plate				
Height	mm	740	740	740
Width	mm	755	820	820
Depth	mm	300	300	300
Weight	kg	25	30	35
Salt dissolving tank				
Salt dissolving container volume	l	90	90	90
Capacity	kg	75	75	75
Height	mm	950	950	950
Width	mm	450	450	450
Depth	mm	300	300	300
Fully automatic water softener 0.1 DH				
		integrated	integrated	integrated
Connections				
Fresh water supply	DN	10	10	10
Pipe connection Installation site Installation site/salt solution tank	DN	10/20	10/20	10/20
Brine pipe connection		8/6	8/6	8/6
Hydrogen discharge	DN	10	10	10
Power connection (50 Hz)	V/AC	230	230	230
Power consumption	VA	100	260	520

YOUR ADVANTAGES AT A GLANCE

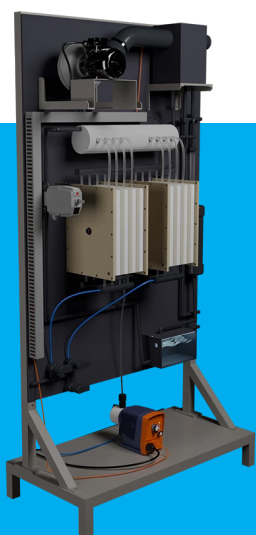
- Individual planning
- Scalable parameters
- Cost-effectiveness
- Ideal for modernization
- Low operating costs
- Cutting-edge technology
- No chlorine odor
- No eye irritation
- No salt buildup
- Maximum disinfection



MEMBRANE ELECTROLYSIS 250 / 500

Specifications		TYPE 250	TYPE 500
Nominal power	g Cl ₂ /l	250	500
Water consumption 1 bar at 100%	l/h	12,5	25
Salt consumption	kg/d	25	50
Concentration of the solution (Cl)	g Cl ₂ /l	0,8	0,8
Hydrogen at 100%	l/h	125	250
Throughput through float chamber	l/h	300	600
Steel mounting plate			
Height	mm	2.010	2.010
Width	mm	1.300	1.020
Depth	mm	500	500
Power supply / control (up to type 250 installed on rack)			
Height	mm	700	1.800
Width	mm	500	600
Depth	mm	250	400
Salt dissolving tank (up to type 250 mounted on installation frame)			
Volume salt dissolving container	l	90	200
Capacity	kg	75	175
Fully automatic water softener 0.1 DH			
Contents Salt dissolving tank	kg	30	30
Height	mm	650	650
Width	mm	400	400
Depth	mm	300	300
Connections			
Fresh water supply	DN	10	10
Pipe connection Installation site Installation site/salt solution tank	DN	10/20	10/20
Brine pipe connection		8/6	8/6
Hydrogen discharge	DN	50	50
Mains connection (50 Hz)	V/AC	400	400
Power consumption	kVA	2,3	5,0

Here you will find our size calculator.
This will help you find the right system for your needs.



- ✓ Compact design
- ✓ Individually planned
- ✓ Easy installation
- ✓ Scalable parameters
- ✓ Ideal for modernising and replacing chlorine gas systems

Our team of experts is happy to help you plan the next steps. Whether you are considering a swimming pool, hot tub or therapy pool, we have the experience and expertise to get your project off to a good start.



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