

## DOSA*active* Tube cell Electrolysis Unit 30 – 200

Capacity approx. 30–200 g/h. This modern system produces fresh, high-level disinfectant for the disinfection of drinking water or for upkeep of your swimming pool water using salt, water and electricity.



### Product description:

- Use of chemically resistant and process-compatible materials such as titanium, PVC-U and LLDPE
- An LED display on the control unit indicates the operating mode
- Automatic mode
- Integrated softening unit
- The regeneration intervals of the integrated water softening unit vary depending on the hardness of the water used to fill the system
- Refill monitoring in the water softener
- Integrated brine tank and product tank
- Flow monitoring
- Backwater monitoring in the hydrogen line
- Closed hydrogen line to the outside (with a continuous incline)
- Service water inlet temperature: max. 25 °C
- min./max. room temperature: 10–0 °C
- ModBus (optionally available on request)
- Supply voltage: 230 V/50 Hz

### Areas of application:

- Drinking water disinfection:
  - Municipal (German drinking water regulations TVO, Art. 11 UBA)
  - Drinking water supply on ships etc. (German drinking water regulations TVO, Art. 11 UBA)
- Water treatment:
  - Beverage industry, circuit water, process water, aquariums, fish farming, livestock breeding, wastewater, etc

### Scope of supply:

- **DOSA*active* Tube cell Electrolysis Unit** (pre-assembled)
  - Integrated water softening unit, brine tank and product tank

### Process description:

- A stable, storable sodium hypochlorite solution is produced on-site and manufactured to stock using saline solution by electrolysis with an open cell design. All of the functional components such as the controller, brine pump, reactor tube, water distributor and hydrogen separator are mounted on a wall mounting plate made of polyethylene. The brine tank with integrated water softener and the product tank are erected separately. Extra-large tanks are optionally available. The system must be erected indoors or, if outdoors, in an enclosure. A separate operating room is not necessary, adequate ventilation of the installation room must be ensured. The provisions of Art. 19 of the WHG apply.

**Ordering data:**

Type:	Production capacity: g/chlorine/h	Concentration: g Cl <sub>2</sub> /l	Water consumption*: l/h	Salt consumption**: g/h	Power consumption: Watt	Item number:
DOSA <i>active</i> 30	30	6 – 7	8	108	140	61177000
DOSA <i>active</i> 60	60		11	216	300	61177005
DOSA <i>active</i> 90	90		18	324	450	61177010
DOSA <i>active</i> 200	200		37	720	900	61177015

\*Additional fresh water consumption for regeneration of the water softener. \*\* Additional salt consumption by the water softener

**Additional technical data:**

Type	Brine consumption: l/h	Cell current: A	Fuse right/left: A/mA	Product stock on site: l	Storage temperature: °C	Salt quality:	Servicing by specialised dealer:
DOSA <i>active</i> 30	0.38	17	6.3 A/ 400 mA	75	5 – 40	Use salt suitable for electrolysis	Yes
DOSA <i>active</i> 60	0.70						
DOSA <i>active</i> 90	1.20	25					
DOSA <i>active</i> 200	2.80	48					

**Mass and weight:**

Type:	Operating weight: kg	Transport weight: kg	Space required for wall mounting: H x W x D (mm)
DOSA <i>active</i> 30	250	118	1212 x 772 x 195
DOSA <i>active</i> 60			
DOSA <i>active</i> 90			
DOSA <i>active</i> 200	295	150	