



**WEDECO**

Elektrolyspannung [V]    Elektrolystrom [A]

- ⚠ Elektrolysenzelle ohne Wassererkennung
- ⚠ Elektrolyseniten-Temperatur zu hoch
- ⚠ Elektrolysenzelle wird mit Wasser gefüllt
- ⚠ Akku wird aufgeladen
- ⚠ Elektrolysenzelle ist kurzgeschlossen
- ✅ Ozongenerator ist am Netz
- ✅ Stromkreis in Funktion
- ✅ Akku ist aufgeladen

Strom    Batterie    Netz



# Ozone Systems Series WEL

ELECTROLYTIC OZONE GENERATORS FOR TREATMENT OF ULTRA PURE WATER

**WEDECO**  
a xylem brand

# Ozone Systems WEL

## **Ozone systems for the disinfection of ultra pure water in the pharmaceutical-, cosmetics- and semiconductor industry**

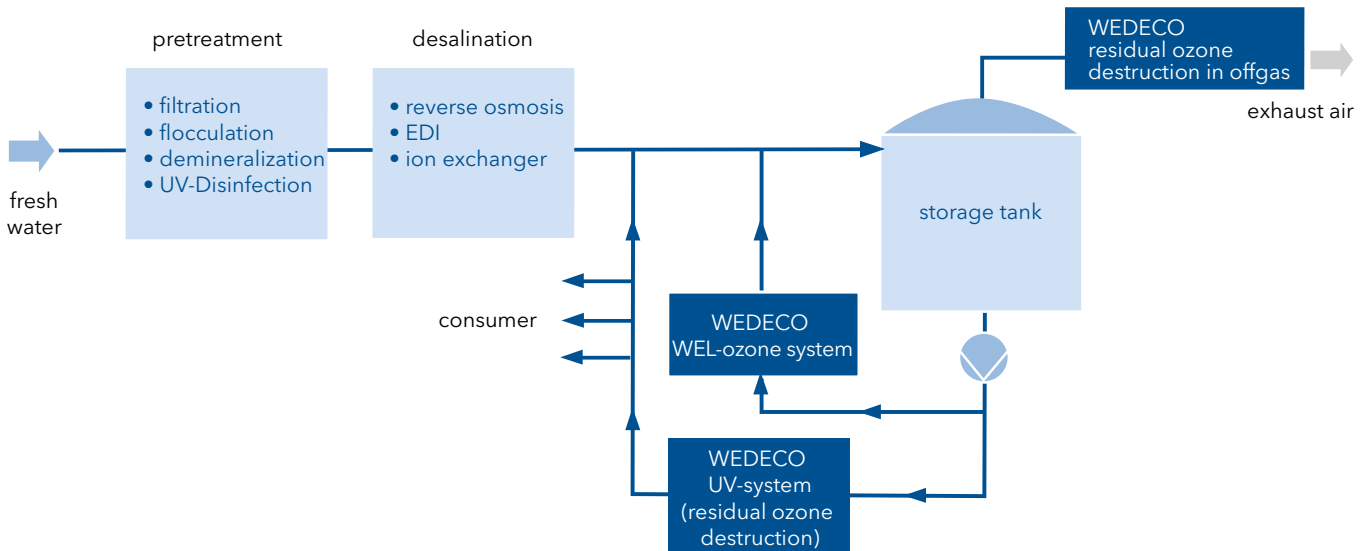
WEDECO WEL ozone generators produce Ozone directly in the ultra pure water out of water and thus ensure a highly effective elimination of the microorganisms and biofilms. A big advantage of the ozone production directly in the water is that no impurities (no added substances) by feedgas are introduced. By the ozonisation a constant and systematic protection against bacterial regrowth in the ultra pure water system (piping and tank) can be achieved without interruption.

WEDECO WEL ozone generators produce, by means of a specially developed electrolysis cell, ozone continuously in the water flow. The core of the electrolysis cell consists of an anode/cathode and a polymer solid electrolyte membrane, which operates as a none dissolvable electrolyte and a separator in the cell. The electrolysis process between anode and cathode causes the production of ultra pure ozone in the water. At the same time the ozone is dissolved in the process water. It can perfectly be combined with WEDECO pure water UV-systems type E/ME or LBT. The ozone performance can be adjusted continuously between 0% and 100%.



The electrolysis cell - core of the Wedeco WEL ozone system

## Conceptual drawing for treatment of ultra pure water



Technical data	WEL 1	WEL 2	WEL 4
Number of Electrolysis cells	1	1	1
Ozone production max	1 g/h	2 g/h	4 g/h
Power connection	230 V / 50 Hz - 60 Hz	230 V / 50 Hz - 60 Hz	230 V / 50 Hz - 60 Hz
Nominal output	200 / 300	230 / 500	250 / 800
Cabinet dimensions	600 x 600 x 300 mm	600 x 600 x 300 mm	600 x 600 x 300 mm

Subject to change without notice.

For larger quantities of Ozone the WEL devices can be connected in parallel in any desired number.

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## Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots
- 2) A leading global water technology company

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, longstanding relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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godwin 

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