

OFERTA HANDLOWA /RM/2020

OWWO (Degassed Highly-Ozonated Water)

It is the only in 100% ecological disinfectant in the world, produced entirely from electricity, air, and water.

With the use of OWWO, you can disinfect huge areas and infrastructure of cities, vehicles, planes, and trains. It can be produced anywhere, from semi-finished intermediates commonly available, which means that its production is almost unlimited. It is safe for people, human skin, the environment, as well as equipment and infrastructure. It is destructive only to bacteria and viruses.

Acids and alcohols affect bacteria and viruses from the outside, while this method destroys viruses and bacteria from the inside and comes into them through the cell membrane. This technology does not introduce any new elements to the environment, making it safe for the natural environment. It works from a dozen to several hundred times faster on pathogens than other disinfectants. The ability to produce this substance anywhere is a huge advantage, especially when the availability of other disinfectants is limited.

Moreover, OWWO can be used to disinfect hospital wastewater, remove pharmaceuticals from wastewater after the treatment plant, and to disinfect sewage systems and water networks.

System production capacity: **from 100 to 500 tons per day.**

With the use of snow cannons adapted for disinfection with OWWO, street infrastructure can be disinfected daily up to 500 km.


A 99% level of deactivation of Norovirus Murine can be achieved using the product values $Ct = 0.7 \text{ mg} \times \text{min dm}^{-3}$ at $\text{pH} = 7$ and 20°C water temperature or half at 5°C (Lim et al., 2010). Thurston-Enriquez et al. (2005) report similar results for the inactivation of adenovirus and calicivirus with ozone. For H1N1 and H5N1 influenza virus, the inactivation level corresponding to 4 log decades (99.99%) can be achieved with residual ozone concentrations in water of 0.4-0.5 mg / dm³ and a contact time of 10 min (Lénés et al., 2010).

OWWO has a concentration of 3 ppm which allows inactivation of viruses in about 1 minute.

In non-pandemic conditions, you can use the system to disinfect water and sewage installations, remove the effects of contamination after floods and disasters, and disinfect hospital wastewater.


What is more, systems are used to remove pharmaceuticals from wastewater. The first two pilot plants were commissioned in Jaworzno and Warsaw in sewage treatment plant Czajka (see the photos below).

The system can be used for many other applications.




CLOSED CYCLES IN INDUSTRY

- responsible ecological policy
- reduction of chemical substances emission




SEWAGES


- without micro-pollutants
- reduction of bacteria
- safe for the environment



WATER


- clean and safe without chlorine
- free of pharmaceuticals / drugs
- for cities and rural areas






SOIL RECLAMATION


- reduction of contamination in-situ



SWIMMING POOLS


- comfort use
- no irritations or allergies
- safe for children and seniors






POLISH TECHNOLOGY

COMPREHENSIVE PROTECTION FOR THE ENVIRONMENT




HOSPITALS, SCHOOLS, PUBLIC UTILITY BUILDINGS

- health protection
- safe water directly from the tap
- prevention of in-hospital infections



DISINFECTION AFTER CONTAMINATION AND FLOODS

- mobile system for the immediate reaction
- effective method for the elimination of the danger



FOOD INDUSTRY

- eco-production
- food without chemicals





SPID for production of degassed highly-ozonated water 20 m³/h



High-pressure unit for disinfection

OPTION 1



SPID Red Series_ **RS6_20/8.400**

Capacity **20 m³/h** (max 500 tons of disinfective solution daily)

QUOTATION

System for mounting in a container - capacity 20 m³/h	
SPID System_ RS6_20/8.400	240 000, 00 EUR net
including high-pressure unit for disinfection	

OPTION 2



SPID Red Series **RS4_10/8.150**

Capacity **10 m³/h** (max 250 tons of disinfective solution daily)

QUOTATION

System for mounting in a container - capacity 10 m³/h	
SPID System_ RS4_10/8.150	150 000, 00 EUR net
including high-pressure unit for disinfection	

NOTE: Quotation excludes the purchase of container and mounting costs

Accessories - option

Container accompanying facilities	40 000, 00 EUR net
Connections for disinfection with the gas ozone	9 500, 00 EUR net
System of introducing OWWO to hospital wastewater	10 400, 00 EUR net

Ambient air monitor	3 500, 00 EUR net
Unit for spraying OWWO for huge distances – FOR THE PURPOSE OF INFRASTRUCTURE DISINFECTION CAPACITY: since 4 up to 10 m³/h. With a complete set of accessories	80 000, 00 EUR net
Remote access to the system, router, antenna, software	10 000, 00 EUR net
DEPOLOX 5 UNIT automatic ozone measurement in water	8 000, 00 EUR net

OWWO technology is used, among others, by waterworks in Warsaw, Skawina, Jaworzno, Gliwice, Katowice, Zabrze, Opoczno, Tczew.

LICENCE FOR TECHNOLOGY	CONTACT DIRECTLY
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WARRANTY

3 years of technological warranty for the complete system

PAYMENT TERMS

The system is made to order

I payment of 50% - on the day of order

II payment of 50% - week before planned delivery

TIME OF DELIVERY

To be agreed

Prepared by,

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