



# HORTIZONE

The HortiZone achieves a 100% disinfection rate using ozone. Ozone facilitates the optimum reuse of water, as this natural gas is converted back to oxygen after treatment – ensuring a steady supply of oxygen-rich irrigation water for your crops.

## The benefits of HortiZone

- Increase oxygen by up to 300%
- Better root development and absorption of fertilisers
- Measure and regulate water quality
- Reduction in crop failure
- Increase in crop yield
- Sustainable, chemical-free method
- Prevent biofilm
- Lower consumption of hydrogen peroxide



The HortiZone was built by Agrozone, a company that develops systems for the circular use of water. Wageningen University & Research (WUR) has proved that ozone enables emission-free cultivation.

There are a variety of water treatment systems available – and the quality of the water is always of paramount importance!

		ECO-0.7	ECO-1.2	ECO-2	PRO-3	PRO-4	PRO-6	PRO-10
Purification flow	(m3/h)	1	1.8	3	4.5	6	9	15
Disinfection flow (PLUS version)	(m3/h)	2.1-2.8	3.6-4.8	6-9	9-12	12-16	18-24	30-40
Absorbed power	(kWh)	1.7	2.1	2.7	4.5	6.2	8.3	13.5
Power supply	V/A	230v/16a	230v/16a	400v/25a	400v/25a	400v/25a	400v/32a	400v/50a



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### Optimum performance in a compact system

The HortiZone is comprised of a pump skid, an ozone reactor and an industrial ozone generator fitted with an intelligent PLC control system. The basic model is just a little bigger than a euro pallet. It is supplied with a 230V plug and is easy to install.

### Specifications

Based on standard water 2.0; other specifications apply for different water qualities. The use of pesticides and/or biological preparations can produce deviations in the flow rates specified and the extent of unwanted organic residuals after the necessary pre-filtration. Our advisers are experienced in calculating the flow rates for your crop and will be happy to provide advice.

- **Increases oxygen content of irrigation water by up to 300-400%.**
- **Better root development, increased absorption of fertilisers**
- **A stronger crop, resilient cultivation.**
- **Prevention of biofilm thanks to increased oxygen levels**
- **100% decontamination and removal of unwanted organic residuals.**
- **If unwanted organic residuals are removed, the use of cleaning agents can be reduced when compared to UV and heating.**

For more information or to make an appointment, contact us: +31 (0)10 52 41 600 or [info@hcts.tech](mailto:info@hcts.tech)

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