



# Peter Zwinkels Orchideeën

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## AQUAOX™ – ELECTROLYSED WATER

Recently we have bought an AquaOx™ system and a B&B HUMIDIFIER which help us to bring our Cymbidiums in optimum condition for transport to the customer.

Wageningen UR Glastuinbouw has conducted research into the effects of electrolysed water and the highly positive findings as well as our customers wishes have made us decide to treat our flowers with this.

How does it work? Our AquaOx system brings a mixture of softened tap water and household salt by means of diaphragm electrolysis under tension together and the product generated like this - the so-called activated water - will be spread by the humidifier in the treatment area by means of ultrasonic mist (a kind of “dry” fog) and this reacts fast with the organic particles (bacteria, fungi etc.)

An environment-friendly way of disinfecting our flowers and keeping Botrytis (the brown spots on the flowers) away. We intend to treat our flowers from **November 1st until end of March**, also all flowers which we sell through the auction clock.

We will for the time being mention on our boxes that the flowers are ECA treated.

At the moment the supplier is working on getting the right appellation from FloraHolland.

As soon as that is known, we will mention that on the auction clock and on our boxes.

With this we hope to be of even better service to you. Best regards,

*Peter Zwinkels*



the inside of the treatment area  
before the flowers are put in



the treatment area  
seen from the outside



AQUAOX™



B&B humidifier



a look on the inside of the humidifier here we produce mist through ultrasonic diaphragm



area is being filled with mist



in  $\pm$  15 minutes the treatment area is filled with “dry” mist, that penetrates everything and kills bacteria, fungi etc.

After half an hour the mist is being removed by a suction installation and the flowers can be taken out of the treatment area.



the treatment area is now ready again for the next batch



on the picture left and above it we lift the cloth to show you how thin the mist is.