

OXICONTROL 1

TO OPTIMIZE THE SANITATION OF YOUR PROCESS WATER



Based on over 3 years of experience in the industry, BlueSense™ and Bright Spark designed **OXICONTROL I** specifically for the monitoring and the control of the disinfection of the process water along the preservation of various types of flower bulbs (both in rinsing and cooking baths). **OXICONTROL I** contributes to limit contamination by microorganisms and parasites and ensures an improved yield.

Developed in the Netherlands, in collaboration with Bright Spark by, **OXICONTROL I** is perfectly adapted to the needs of the flower bulbs industry by giving a highly accurate, real time analysis of the free chlorine and pH levels, as well as water temperature.

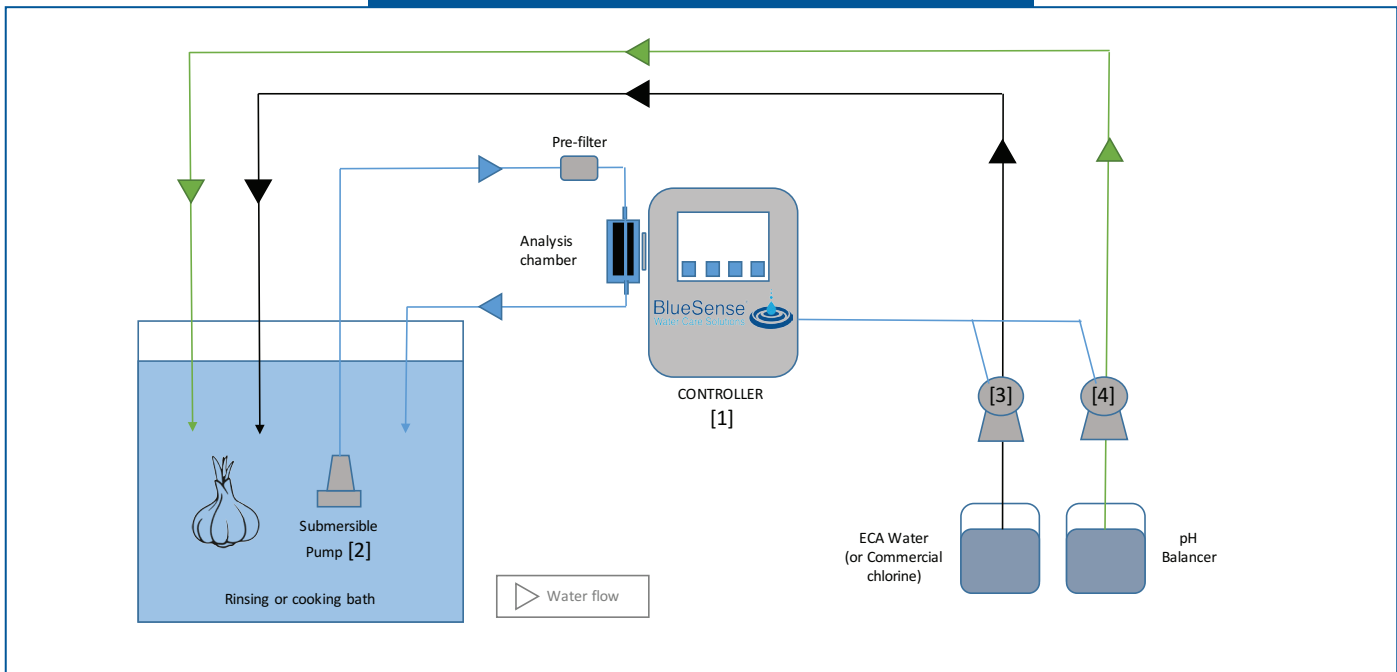
OXICONTROL I, fully compatible with liquid chlorine based systems, is also able to upgrade your process to the to the OXAGRI complete disinfecting solution, based on Bright Spark's APL technology.

KEY ADVANTAGES :

- **Autonomous :** "Plug and play"
Circulation pump feeds a dedicated analysis chamber in conjunction with the process.
No additional pipework required on the existing equipment (Kookketel).
- **Easy Maintenance :** Dedicated analysis chamber equipped with pre-filter to prevent fouling of the electrodes.
Easy cleaning and calibration without the need to interrupt the operations.
- **Accuracy and reliability :**
 - Controlled flow rate and pressure of the analyzed water passing through the analysis chamber provide accuracy.
 - Free chlorine residual analysis. Accuracy of the measure is not affected by the variations of the Electrical Conductivity of the process water as other technologies (i.e. ORP measure).
 - Integrated temperature and pH electrodes to control and modulate the alkalinity, for the most effective disinfection.
- **Automatic dosing :** 2 integrated and piloted metering pumps to dose chlorine (ECA Water or commercial chlorine) and pH balancing fluid.
- **User friendly :** Direct reading of the parameters on LCD screen and simple menus to configure the unit.
- **Connected :** Can be interlinked with "GBS" infrastructure Monitoring System.

TECHNICAL SPECIFICATIONS

OXICONTROL 1 working Scheme



1 OXICONTROL	
Controller [1] pH/Temperature/Free Chlorine equipped with :	
Triple channels Photoelectric semiconductor relay	
1 IP44 plastic enclosure	
1 Human Machine Interface with 4 command buttons	
1 Communication port RS485 Modbus	
1 Free Chlorine probe - 0.01 – 20 mg/l (ppm) - Cable length : 0.25 m	
1 pH probe - Measuring range : 1-12 - Cable length : 0.5 m	
1 Temperature probe - 0-70°C - Temp. compensation component Pt1000 - Cable length : 0.2 m	
1 Specific analysis chamber	
1 Submersible 85W circulation pump [2]	
- Max Aspiration height : 4 m	
1 Metering pump for sanitizer [3]	1 Metering pump for pH balancer [4]
<ul style="list-style-type: none"> - Diaphragm diameter : 70 mm - Stroke rate : 50 strokes/min - Flow rate : 20 L/h - Maximum pressure:3 bars - PVC head pump - Motor : 0.06 kW 	<ul style="list-style-type: none"> - Diaphragm diameter ≈ 70 mm - Stroke rate : 58 strokes/min - Flow rate : 5 L/h - Maximum pressure : 5 bars - PVC head pump



© Pixabay

CONTACT INFORMATION :

<p>BlueSense (Lonza Group) Mr. Jérôme Logie mobile : +33 (0) 6 23 08 42 22 bluesense@lonza.com</p>	<p>Mrs. Karen Wagemaker mobile : +31 (0)6 46 23 70 90 karen.wagemaker@lonza.com</p>
<p>www.bluesense-water.com</p>	



Always read product information before use. All product information corresponds to Lonza's knowledge on the subject at the date of publication, but Lonza makes no warranty as to its accuracy or completeness and Lonza assumes no obligation to update it. Some products may not be available in all markets or for every type of application. Product and safety information is intended for use by recipients experienced and knowledgeable in the field, who are capable of and responsible for independently determining the suitability of equipment for intended uses and to ensure their compliance with applicable law. Proper use of this information is the sole responsibility of the recipient. This information may not be applicable, complete or suitable for the recipient's finished product or application; therefore republication of such information or related statements is prohibited. Information provided by Lonza is not intended and should not be construed as a license to operate under or a recommendation to infringe any patent or other intellectual property right. All trademarks belong to Lonza or its affiliates, or to their respective third party owners.