



ECOLAB
Disinfection products
and processes...

OXYCHECK

Trust is good, certainty is better!

Protection of disinfection processes:

- ▲ Selective on-line measurement of PAA-containing disinfection products
- ▲ Automatic concentration monitoring
- ▲ Integrated component of Quality Management

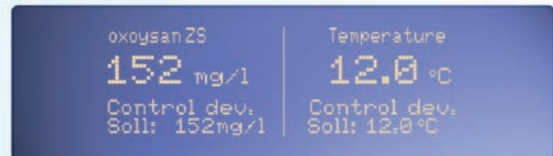
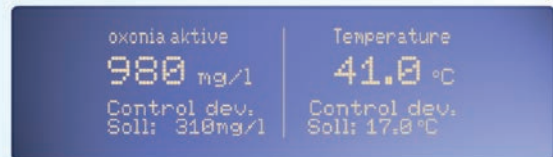
ECOLAB®
Everywhere It Matters.

Ecolab disinfection products and processes – Quality and safe hygiene

With its highly effective peracetic-acid (PAA)-based disinfectants, Ecolab ensures comprehensive hygiene in foodstuffs production. The intelligent applications developed at Ecolab provide the maximum of safety and functionality for storage, metering, measuring, control and monitoring of PAA-containing disinfectants, with unarmful residues. The Ecolab team offers you the correct needs-oriented benefits.

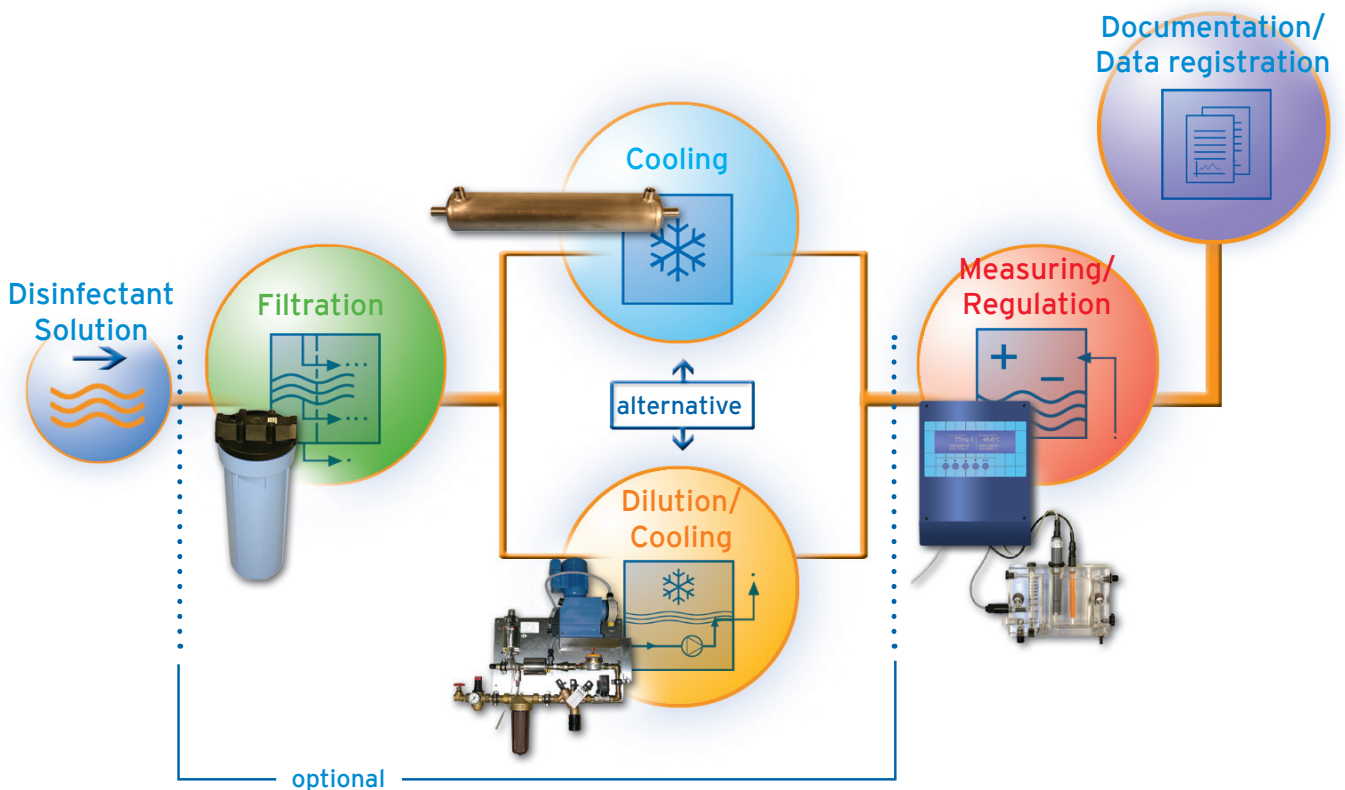
Applications:

- ▲ Disinfection in CIP processes
- ▲ Disinfection of surfaces in beverages decanting:
 - Rinsers and fillers
 - Handling systems
 - Closing systems
 - Closure caps
- ▲ Disinfection of surfaces for cold-aseptic decanting
- ▲ Rinsing-water conditioning in the foodstuffs industry

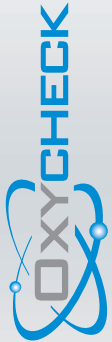





Oxycheck

Oxycheck provides reliable, automatic and low-maintenance monitoring of the concentration of Ecolab disinfectants. Depending on process and hygiene parameters, the measured solutions are filtered, diluted and/or cooled prior to on-line measurement, if necessary. The Ecolab team helps you in the design and realization of your projects.



Process conditions

	No dilution	Dilution*1
	Disinfectant product e.g. P3-oxonia aktive P3-oxonia aktive 150 P3-cosa DES ...	Disinfectant product e.g. P3-oxonia aktive P3-oxonia aktive 150 P3-oxysan ZS P3-oxysan CM ...
 Cooling if > 45 °C	 Dilution/Cooling	
 Filtration in case of contaminated disinfectant solution, e.g. suspended substances		

*1 = to enhance measuring accuracy for disinfectant solutions containing additives

*2 = for optimized surface wetting

Safe storage and metering

Connex - a clever way to tame chemicals!

Connex is a unique solution for safer handling of concentrated cleaning and disinfecting products (e.g. containing peroxyacetic acid). This unique concept provides for superior safety and comfort while dealing with chemicals on your production site.




Packaging with integrated suction lance

- ▲ Special design for efficient product discharging
- ▲ Eliminates the necessity of a manual container opening
- ▲ Suction lance integrated in the container



Discharge unit

- ▲ „Empty“ level detection
- ▲ Alarm functions
- ▲ Reliable dosing even of gassing products



Click & Plug connector

- ▲ Automatic packaging opening - on/off position
- ▲ Tight connection between packaging and discharge unit
- ▲ Self venting connection



Operator safety

- ▲ Safe and easy operation
- ▲ Reduced risk of direct contact with a chemical product
- ▲ Comfortable discharging even of gassing products



Production-process safety

- ▲ Continuous dosing even if the connected packaging is reaching „empty“ level
- ▲ Automatic switch-over to the full packaging
- ▲ High dosing safety especially for „in-line“ applications

Your benefits from Oxycheck:

- ▲ No-compromises disinfectant and hygiene safety
- ▲ Optimum tailoring to Ecolab disinfectant products
- ▲ Modular structure and no-trouble combination
- ▲ Compact design
- ▲ One flow housing for all sensors
- ▲ Integrated flow monitoring for the measured solution
- ▲ MCT (Multronic Configuration Tool) software for bidirectional and trouble-free flow of PC data
- ▲ Profibus-Interface (optional)



PAA-Measuring transducer type multronic



Measuring range:	0 ... 2000ppm or 0 ... 5000ppm
Accuracy of measurement:	1,0% of the full-scale point
Measuring input:	clamp Chlorine Dioxide probe mV
Control response:	P- / PID- / Fuzzy-control
Control:	2-point- / 3-point-controller
Signal power output:	0/4 ... 20mA, metallicly separated
Command output:	2 make contacts (pulse frequency)
Limit control:	within a measuring range, make contact
Alarm relay:	changeover contact
Electrical connection:	24VDC, 115 VAC 50/60 Hz, 230 VAC 50/60Hz
Power input:	25 W
Display:	lighted graphic display
Ambient temperature:	0 ... 45°C
Type of protection:	IP 65
Dimensions:	wall-mounted: 224 x 290 x 96 mm (W x H x D)

PAA probe type PES7UP

Amperometric membrane-covered measuring principle:



	sensor 2000 ppm	sensor 5000 ppm
Measurand:	Peracetic acid (PAA)	
Measuring range:	0 ... 2000 ppm	0 ... 5000 ppm
Temperature:	0 ... 45°C with internal temperature compensation	
Max. pressure:	3 bar (no pressure knocks)	
Flow:	30 ... 100 l/h	
Power supply:	12 ... 15 VDC, approx. 20mA	
Attack time:	t ₉₀ ~ 3 min.	
Output signal:	~ 1 mV per ppm PAA	~ 0.4 mV per ppm PAA
Sensitivity to H ₂ O ₂ :	< 0,005	

Right of technical modification reserved!

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