PRODUCT INFORMATION
PROCESS ANALYSIS
OZONE SENSOR
ORBISPHERE C1100



Time and cost saving ozone sensor ORBISPHERE C1100

- **Time saving and reliable calibration**
- **Only takes 3 minutes to replace sensor**
- **Substantial reduction in annual maintenance costs**
- **Quick and easy air calibrations**

Quick and reliable air calibrations

The ORBISPHERE C1100 ozone sensor is designed to measure ozone in the sanitising phase of any beverage production line. This unique sensor does not require a specific set up or skilled operators for in-line operation. Only a simple calibration in the air is required! Today, this is the one and only sensor in the market that enables quick and easy air calibrations.

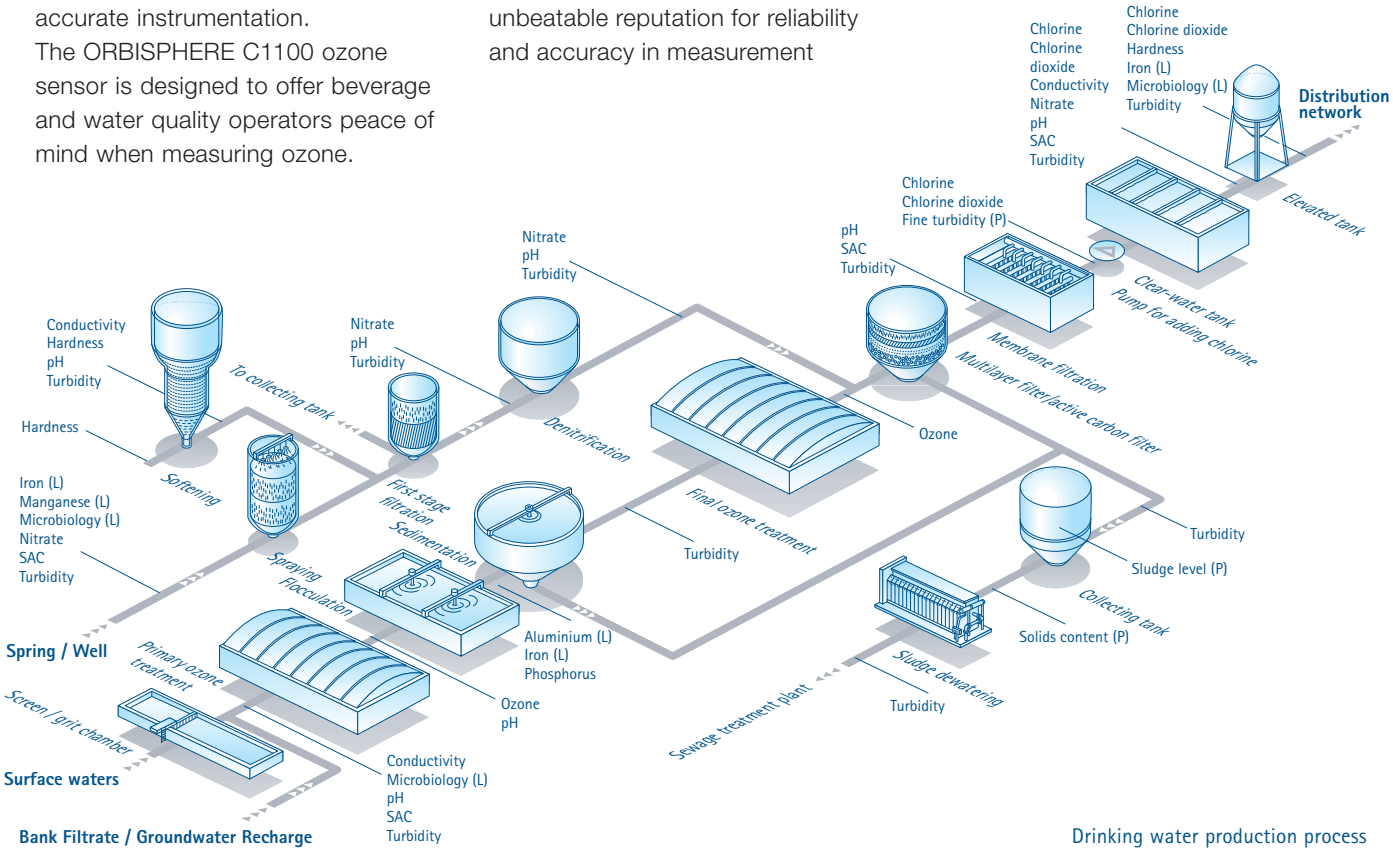
Low cost maintenance

With the patented ORBISPHERE cartridge, maintenance is easy. Both the set up and the initial sensor replacement procedure can be performed in just 3 minutes without the risk of miss positioning the membrane. This unique benefit substantially reduces and saves your annual maintenance costs.

Unbeatable reliability

ORBISPHERE has a history for quality and reliability when it comes to manufacturing long lasting and accurate instrumentation.
The ORBISPHERE C1100 ozone sensor is designed to offer beverage and water quality operators peace of mind when measuring ozone.

This sensor can be used during the bottled water packaging phase in-line and during the sanitising phase for all municipal water. ORBISPHERE's unbeatable reputation for reliability and accuracy in measurement is yet again proven with the successful performance of the ORBISPHERE C1100 ozone sensor.



Drinking water production process

Technical information

	C1100
Measuring range	0 ppb – 50 ppm O_3
Accuracy	±0.4 ppb or ±5%, whichever is the greater
Repeatability r^{95} (2σ)	±0.4 ppb or ±0.5%, whichever is the greater
Pressure rating (Stainless steel / Titanium)	40 bars / 100 bars (580 psi / 1450 psi)
Limit of detection (3σ)	0.6 ppb
Response time	30 s
Working operating range	-5 to 45 °C (23 to 113 °F)
Maximum operating range	-5 to 100 °C (23 to 212 °F)
Membrane	2956A-C

Note: limit of quantification = 10σ
Subject to change without notice.

Ordering information

C1100-S00
Electrochemical ozone sensor, Stainless Steel version, maximum pressure 40 bar.

C1100-T00
Electrochemical ozone sensor, Titanium version, maximum pressure 100 bar.

Material certificates are available upon request.

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