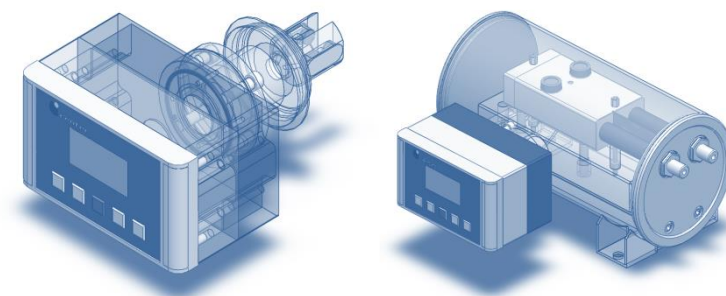


Automated
process skids
and high precision
sensors from a
single source.
Centec.

The Centec Group

Centec is a privately owned group of companies. Our automated process skids are used throughout the entire brewing process. For soft drinks, dairy and food industries we offer a large variety of skid mounted systems. We have decades of experience in water purification and deaeration, carbonation, liquid blending and dosing, flash pasteurization and cleaning-in-place. Centec technology includes a range of high precision process sensors for accurately measuring critical product properties such as extract, alcohol, milk fat, O₂ and CO₂. The largest brewery, soft drink, dairy and food groups in the world are among our key customers.



Accuracy. Reliability. Centec.

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ADoS

The Principle

The Centec additive dosing system ADoS is used for the continuous and accurate addition of small amounts of liquid ingredients into a main stream. There are a large number of applications in processing carbonated or non-carbonated food, beverages, beer and beer based mixed drinks, e.g. adding enzymes, flavours, sweeteners, colours or vitamins. Since the number of additives can be extended to meet individual needs, the compact ADoS skid provides a high degree of flexibility in manufacturing such products. For process control, sophisticated in-line sensors developed and manufactured by Centec are applied to determine product characteristics such as O₂ or CO₂, sugar content and alcohol content. Reliable flow meters and pneumatic control valves permanently monitor and adjust the mass ratios and guarantee repeatable results and minimum product loss. The modular design of the process units allows the easy expansion, e.g. for the production and mixing with deaerated water or for the carbonation and pasteurization of the finished product.

Technical Data

Capacity	10 - 1.500 hl/h
Pressure of Operation	0 - 20 bar
Temperature of Operation	2 - 50 °C
Temperature of CIP	up to 85 °C
Material	1.4301/1.4404 AISI 304/316L
PLC	SIMATIC S7
Options	in-line measurement of O ₂ /CO ₂ /sugar/alcohol/... water deaeration carbonation nitrogenation flash pasteurization



The Centec production is certified according to ISO 9001.

- **Application Specific and Energy Efficient**
exceptional accuracy even for extremely small amounts
excellent repeatability and minimum product loss
water deaeration or carbonation on demand
- **Modular Design with Standard PLC**
skid mounted for easy installation and start-up
- **Hygienic Execution and Full CIP Capability**
- **Outstanding Price-Performance-Ratio**

Experience. Expertise. Centec.

*Ion Exchange · Reverse Osmosis · Membrane Deaeration · Column Deaeration · Hops Pre-Isomerization
Wort Aeration · Yeast Pitching · Nitrogenation · Carbonation · Carboblending · High Gravity Blending
Multi Component Mixing · Additive Dosing · Flash Pasteurization · Cleaning-in-Place · Dealcoholization*

