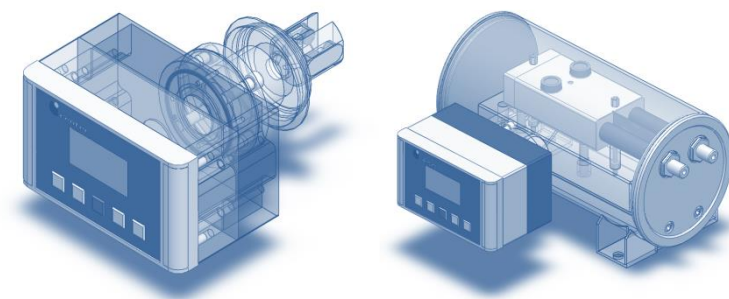


The Centec Group

Centec is a privately owned group of companies. Based on extensive know-how, we are a specialist for automated process skids for high precision dosing – even of smallest quantities. For media supply we offer water purification and pure steam generation systems. CIP- and SIP-units designed and manufactured by Centec are widely used in chemical industries. Centec technology includes a range of high precision process sensors for accurately measuring critical product properties such as the concentration of acidic and caustic solutions and O₂ content. The largest chemical groups in the world are among our key customers.



Accuracy. Reliability. Centec.

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ADOS

Additive Dosing

Centec Chemistry Systems



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

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 chemical and petrochemical industries, e.g. adding acids, caustics, colours or chemicals. Since the number of additives can be extended to meet individual needs, the compact ADoS skid provides a high degree of flexibility in chemical and petrochemical manufacturing. For process control, sophisticated in-line sensors developed and manufactured by Centec are applied to determine product characteristics such as oxygen and the concentration of acids and caustics. 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.

Technical Data

Capacity	1 - 150 m ³ /h
Pressure of Operation	0 - 20 bar
Temperature of Operation	2 - 85 °C
Material	PP 1.4301/1.4404 AISI 304/316L
PLC	SIMATIC S7
Options	in-line measurement of O ₂ and concentrations water treatment



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.

Particle Pre-Filtration · Disinfection · Water Softening & Demineralization · Ultrafiltration · Reverse Osmosis
Electro Deionization · WFI Distillation · Membrane Deaeration · Column Deaeration · Vacuum Deaeration
Multi Component Mixing · Additive Dosing · Flash Pasteurization · Cleaning-in-Place · Pure Steam Generation

