

Product Highlights

Reverse Osmosis

With reverse osmosis, all ions, viruses, bacteria and solids remain in the retentate. For sterilization and WFI, we provide pure steam generators and various evaporation technologies, e. g. multistage pressure columns.



Multi-Component Mixing

Highly effective mixing of raw materials such as water and acid or caustic to achieve the required concentrations. Equipped with Centec in-line sensor technology for maximum accuracy and redundant processing.



Our Additive Dosing System is used for the production of cosmetics, personal care and chemical products. Various fluids from low viscosity solvents through to high viscosity polymers can be continuously and accurately blended or dosed into a main stream.

Innovation for the Laboratory



Laboratory Density Meter

For extremely accurate determination of density and temperature in the lab. Sample volume 2 ml. Equipped with a user friendly 10" touch screen.

Global Knowledge for Local Applications

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Chemistry Systems & Sensors



The Efficacy of Technology

The Centec Group

Centec is a strong, privately owned group of companies. Based on extensive know-how, we are a specialist for high precision density measurement of liquids and skids for exact dosing – even of smallest quantities. For media supply we offer water purification systems and pure steam generators. CIP- and SIP-units made by Centec are widely used in chemical industries. Centec technology includes a range of process sensors for accurately measuring and controlling crucial product characteristics. The largest chemical groups in the world are among our key customers. We are a supplier of the largest electronics and semiconductor manufacturers.

Our production facilities in Germany and the Czech Republic include a skilled electrical and automation department with in-house switch cabinet manufacturing. As a core element of our growth strategy, we are currently expanding our Czech operations.

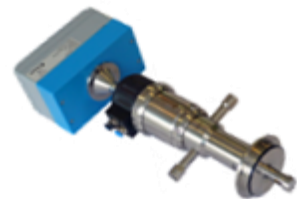
This outstanding infrastructure allows efficient logistics, short lead times and strict adherence to delivery deadlines. The quality of our products is outstanding, so is the price-performance ratio.

Centec Innovations



Vortex Injector

Gases such as CO₂ and N₂ are injected into liquids as very fine homogeneous bubbles and quickly dissolve into solution. Applied with the most accurate measurement and control technology, e.g. for neutralization.



Retractable Unit for O₂ Sensor

For continuous measurement of the O₂ content in liquids and gases. The sensor can easily be drawn back without stopping the system, e. g. during sterilization of the plant. Manual and pneumatic version.

Innovation. Dedication. Centec.

Automated Process Skids

The broad range of our process units includes automated process skids designed to customer requirements for various applications in dairies:

- Water Softening
- Ion Exchange
- Reverse Osmosis
- Electro-Deionization
- Ultra & Nano Filtration
- High Purity Water (HPW) Production
- HPW Loops
- Membrane Water Deaeration
- Column Water Deaeration
- Dissolved O₂, CO₂ and N₂ Removal
- Product Preparation
- Multi-Component Mixing
- Additive Dosing
- Flash Pasteurization
- Dealcoholization
- Cleaning-in-Place (CIP)
- Sterilization-in-Place (SIP)
- Pure Steam Generation



No matter how complex requirements may be, Centec will provide the right solution. Our capabilities include the planning, delivery, assembly and commissioning of turn-key plants. We are pleased to offer on-site training for your staff. Our after sales service is an example and highly valued by our customers. Assistance is available anytime by telephone or online. Qualified service technicians for on-site support can be requested at short notice.

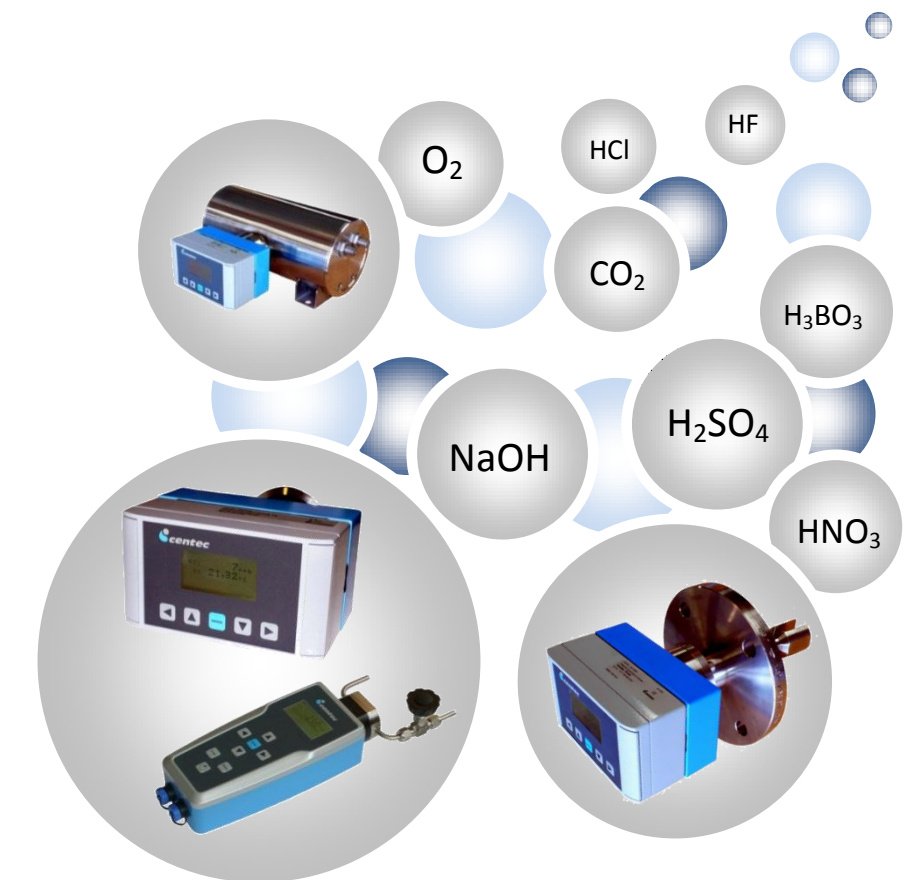
Experience. Expertise. Centec.

High Precision Sensors

Centec sensors are applied in laboratory and process environments. They ensure that products are produced to consistently high standards and that processes run extremely efficiently with the least consumption of energy and raw materials. Our portfolio covers the following measurements:

- OXYTRANS – O₂ in liquids and gases
- RHOTEC – density of liquids
- SONATEC – sound velocity in liquids
- COMBITEC – functionality of SONATEC and RHOTEC combined

The measurement of density or sound velocity allows the concentration of a media such as acid or caustic to be displayed. In three component liquids both density and sound velocity need to be measured.



Accuracy. Reliability. Centec.