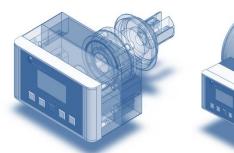
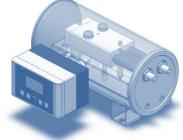




The Centec Group

Centec is a privately owned group of companies. From conventional power plants to solar energy and biofuel – there is a broad range of applications for our automated process skids. We are a leading supplier of water purification and deaeration technologies. Automated CIP-systems designed and manufactured by Centec are installed around the globe 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 O_2 content. The largest energy groups in the world and numerous power plants are among our key customers.





Accuracy. Reliability. Centec.

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Brazi

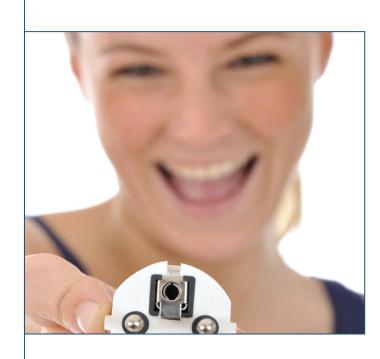
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GaS-

Cold Column Deaeration

Centec Energy Systems



Automated
process skids
and high precision
sensors from a
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More information at www.centec.de

DeGaS-C

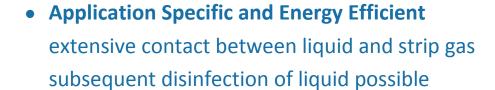
The Principle

The Centec column deaeration system DeGaS-C is a modular skid for removing oxygen from water at ambient temperature. The presence of even low O_2 levels can cause serious corrosion damage by forming oxides. For treatment in DeGaS-C, the liquid is injected at the top of the column. The column contains a matrix of structured packing comprising thin corrugated metal plates arranged so that the liquid takes multiple paths as it flows downwards through the column. This maximizes the transfer surface and the contact time between the liquid and the strip gas; CO_2 or CO_2 or COO_2 or

Technical Data

Capacity	1 - 200 t/h
Residual Oxygen	< 10 ppb
Pressure of Operation	0 - 8 bar
Temperature of Operation	ambient temperature
Temperature of CIP	max. 85 °C
Material	1.4301/1.4404 AISI 304/316L
Cooling Medium	glycol, ice water, ammonia, brine
PLC	SIMATIC S7
Options	in-line O_2 measurement pre-filtration disinfection





- Modular Design with Standard PLC
 skid mounted for easy installation and start-up
 sturdy execution and largely maintenance-free
- 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

