

DeGas - C

Coldwater Column Deaeration System



DeGaS - Cold

The Principle

Structured packing typically consists of thin corrugated metal plates arranged in a way that they force liquids to take multiple paths through the column, thereby creating a large surface area for contact between different phases. The cold water passes the column in a counter current flow top-down to the strip gas CO₂. The oxygen will leave the column at its top together with the not dissolved CO₂ to the vent.

A column discharge pump forwards the water from the bottom of column to the DAW process. The integration of an UV-Disinfection System provides sterile water for food processing. An optional inline oxygen measurement determine the proper function continuously to ensure stable conditions.

Technical Data

Capacity	10 - 1500 hl/h
Residual Oxygen	< 10 ppb
Temperature	4 - 95°C
Pressure	0-8 bar
Material	1.4301 / 1.4404
Cooling media	Glycol, Brine, Ice water, Ammonia
PLC	Siematic S7

- **Optional Inline Oxygen Measurement**
Determine highly accurate and continuously the residual Oxygen content by using the Centec optical process measurement **Oxytrans TR**
- **Optional Process Visualisation**
Visualize and store continuously the process on the local PLC or at an upper SCADA System.



- **Energy-Saving**

by deaeration of the water at ambient temperature

- **Hygienic**

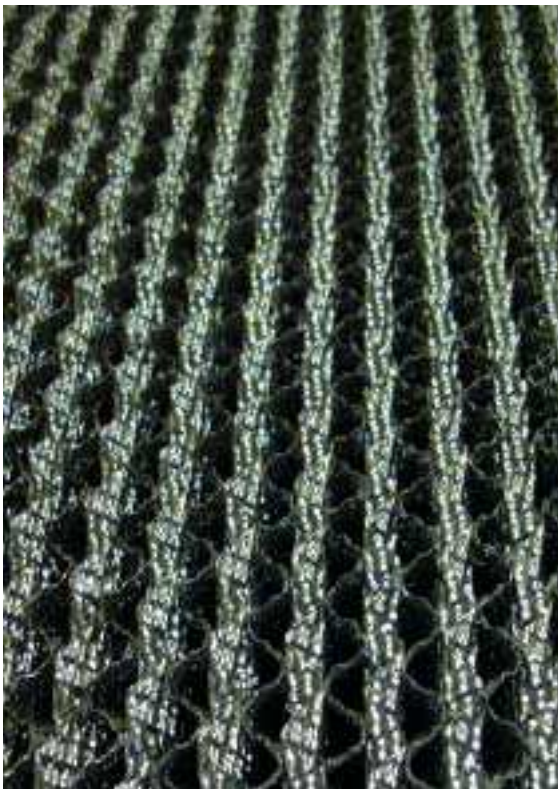
by integration of an UV-System and fully integrated in the CIP process

- **Flexible**

by using a local PLC or fully integrated in the overall process

- **Reliable in Operation**

fully monitored and controlled by an inline oxygen measurement



Structured Packing



Centec OXYTRANS-TR
Optical Inline Oxygen Measurement

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www.centec.de

Centec Germany (Hauptsitz/Headquarter)
Centec Gesellschaft für Labor-
und Prozessmesstechnik mbH
Wilhelm-Röntgen-Str. 10
D-63477 Maintal / Frankfurt
Tel +49 (0) 6181 1878 0
Fax +49 (0) 6181 1878 50
info@centec.de
www.centec.de

UK representative and distributor:
Protecnica Solutions Limited.
Stalworths, The Street,
Great Tey,
Colchester,
Essex, CO6 1JS,
United Kingdom

www.centec-systems.co.uk
info@centec-systems.co.uk
Tel: +44 (0)1206 211 921 Ext. 22

Centec Czech Republic
Centec automatika spol
s.r.o.
Pekarská 8
CZ-15500 Praha
Tel.: +420 257 084 111
Fax: +420 235 518 701

Centec USA
Centec LLC
P.O. Box 820
Germantown,
WI 53022-0820
Tel.: +1-262 251-8209
Fax: +1-262 251-8376

Centec Brasil
Centec América Latina
Av. das Américas, 500 Bl
13/313
22640-100 Rio de Janeiro,
Tel./Fax:
+55 21 2494 5849

Centec Serbia
Centec Predstavništvo
u Beogradu
Bogdana Zerajica 34
11090 Belgrad, Srbija
Tel./Fax:
+381 11 358 11 24