



Alfa Laval Aldox™ Mini Wasserentgasung 10 – 40 hl/h

Anwendungsbereich

- » Wasserentgasung, um Getränke haltbarer zu machen
- » Farbe und Geschmack beibehalten
- » Oxidation vermeiden
- » Keimwachstum verhindern
- » Entgasung auf $< 0,02$ ppm Restsauerstoffgehalt

Funktionsprinzip

- » Zufuhr von CO_2 über einen Füllkörper Reaktor
- » Wasser wird im Kopfraum verteilt und fließt nach unten
- » CO_2 läuft im Gegenstrom nach oben
- » Lange und effektive Kontaktzeit zwischen Gas und Flüssigkeit

Ausstattung und Service

- » 5 Tage Servicetechniker für die Inbetriebnahme
inkl. Reisezeit und -kosten in Deutschland



ALDOX™ MINI

Water deaeration

Application

ALDOX™ MINI is a process system for production of deaerated and carbonated high-quality water for breweries and soft drink manufacturers. The system is designed as a kit and intended for low capacity demands.

Working principle

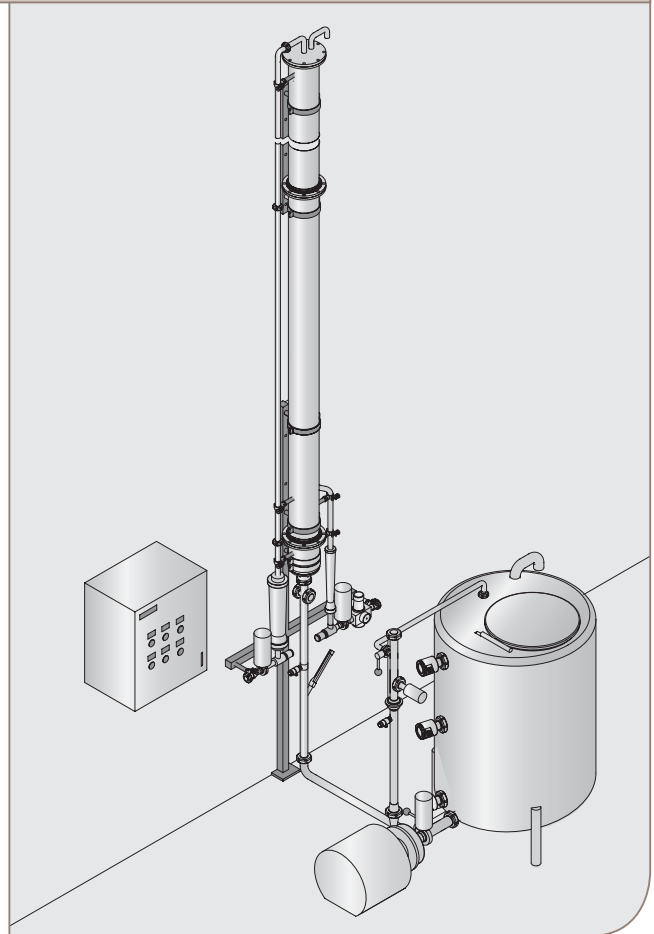
Oxygen is removed in the ALDOX™ column which is given a space saving design for wall mounting. The high desorption of oxygen is achieved with carbon dioxide (CO₂) over a packed bed operating at atmospheric pressure.

Water is distributed at the top of the column and travels downward counter currently with the CO₂. The internal packing material, specifically developed for this application, ensures a large effective contact area between liquid and gas.

The benefits are highly efficient oxygen removal at very low gas rates. The majority of CO₂ added to the column is dissolved in the water.

The virtually oxygen-free water is collected at the bottom of the column and transferred by gravity to the buffer tank. Here the water is stored at atmospheric pressure under a blanket of CO₂ to avoid oxygen pick-up. For still drinks, nitrogen (N₂) is used instead of CO₂.

The ALDOX™ MINI is a fully automatic system with a small PLC controlling the plant operation and operated by means of push buttons. CIP is integrated into the unit and can be performed automatically.



Benefits

- Developed in co-operation with the brewing industry
- Automatic control
- Sanitary and compact design
- Water DO levels down to less than 0.02 ppm can be achieved
- CO₂ losses below 5%
- Low maintenance
- No pressure rated or heavy duty vessels needed

Basic unit

The system is self-contained, factory preassembled and tested before delivery. In compliance with food industry regulations, all components in contact with the process liquids are made of stainless steel with heat resistant seals. It is designed for CIP.

Technical data

(Other specifications on request)

Capacity range, hl/h: 10-40

Deaeration to: Less than 0.02 ppm

Utility data: Depending on capacity range

Dimensions

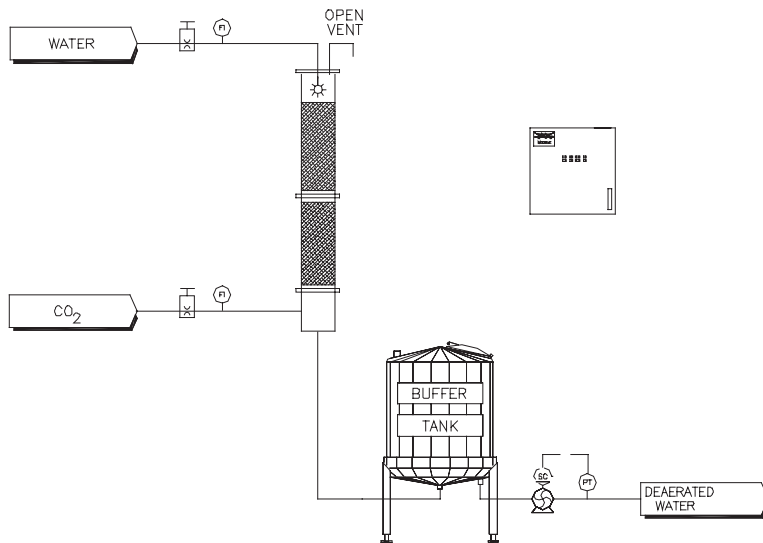
Approximate dimensions and weight:

L = 2.0 m W = 2.0 m H = 6.0 - 8.0 m

Weight: 1,000 kg

Optional equipment

- Cooling of water
- Remote control
- Communication with other control systems
- Integrated CIP



How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com