

Water Deaeration System-Cold

General information

The Water Deaeration System-Cold, type WDS-C is based on our long experience in the area of gas/liquid stripping technology. The Cold version is based on stripping technology with the help of CO₂ at room temperature.

Principle of Operation

- The process consists of the following steps:
- Deaeration based on stripping technology: Water enters the top of a column and is led through specially designed packing with a large contact surface. CO₂ is injected at the bottom and travels in counter flow, resulting in a highly efficient removal of air and O₂.
 - Cooling option: cool the deaerated water down to a temperature of 2°C.
 - UV disinfection option: ensuring a water free of micro-organisms.

Description

The WDS-C is a skid-mounted system utilising proven components, including all required piping, wiring and control system. The hygienic, fully automatic and reliable design guarantees easy handling, low maintenance and a long lifetime. Extensive factory tests and excellent references, as well as our installed base management approach are evidence of the quality and reliability of the Water Deaeration System, type WDS-C.



**Beverage
CO₂ Systems**



Technical information

Cleaning

The WDS-C complies with the highest sanitary standards.
The unit is provided with fully automatic CIP capability.

Service

The WDS-C is a user-friendly and fully automatic system, with almost no need for spare parts. The self-diagnostic electronics help you adequately in case of problems. Clear operating instructions, maintenance information and a reliable service department are part of our services.

Benefits

- Residual O₂ < 0.02 ppm
- Hygienic design
- Fully PLC controlled
- Low maintenance
- No heavy duty vessels or vacuum pump

Outlet specifications

Residual O₂: < 0.05 ppm (with min. 8°C inlet water temperature)
Residual O₂: < 0.02 ppm (with min. 25°C inlet water temperature)
CO₂ content: 2.5 – 1.2 g/l (depending on temperature)

Options

- CO₂ injection
- Water Cooling
- O₂ measurement

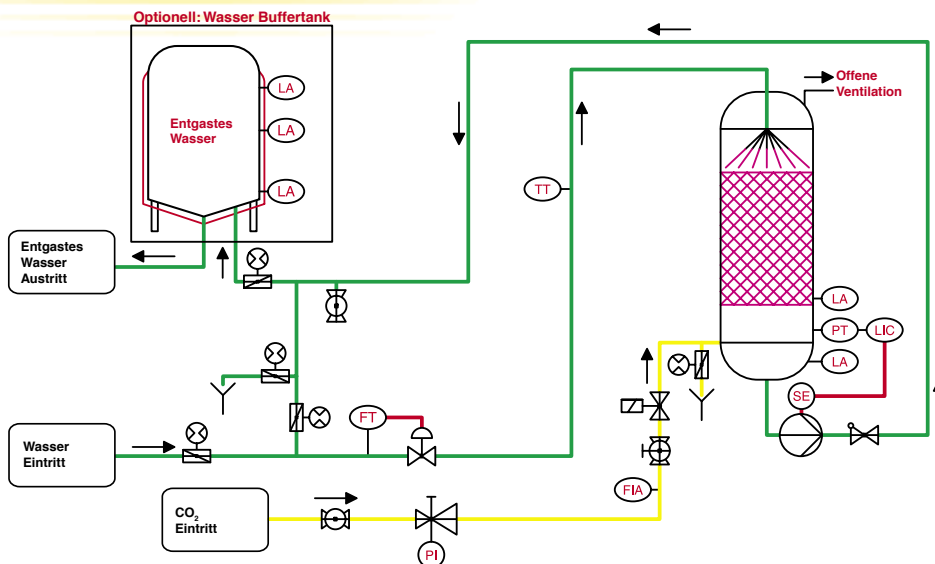
Material

Product contact parts: AISI 316
Non-contact parts: AISI 314

Control Cabinet

Protection class: IP 54

Haffmans B.V. reserve the right to make changes in the technical specifications at any time.



Haffmans B.V.

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