

HAFFMANS CO₂ 4U CO₂ UPGRADING SYSTEM

PRODUCT LEAFLET



GENERAL PRODUCT INFORMATION

Today, technology develops very rapidly and because of this, equipment is often obsolete before it is fully depreciated. That is why the demand for upgrading solutions and products is increasing.

Much attention is paid to the purity of carbon dioxide (CO₂) gas for use in many carbonated beverages, and as a result is often regarded as a critical ingredient. The purity requirements are "as pure as possible".

CO₂ 4U

The CO₂ 4U-System provides very pure CO₂ for high-quality demands. The configuration of the CO₂ 4U offers you a system that is:

- **Unique:** in design, operation, performance and efficiency
- **Universal:** applicable at various kinds of CO₂ plants
- **Upgrade:** improving CO₂ quality
- **Unit:** compact plug&play unit, easy to install and commission

The CO₂ 4U is fed with liquid CO₂ by gravity from the CO₂ condenser. The liquid CO₂ is collected in a buffer, and supplied to the stripper in a controlled way. This design ensures constant flow and avoids starting and stopping the system continuously. In the stripper, O₂ is separated from the liquid CO₂ by means of CO₂ stripping gas. The purified CO₂ is collected in the re-boiler. A CO₂ liquid pump transfers the CO₂ to the CO₂ storage tank. The system is energy neutral.

BENEFITS

- Perfect process and product control
 - improved CO₂ purity
 - reduced O₂ level
- Low operational costs
 - fully automated operation
 - energy neutral
 - low maintenance
- Plug&play supply reduces installation time and costs

APPLICATIONS

- In any existing CO₂ recovery plant

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TECHNICAL DATA

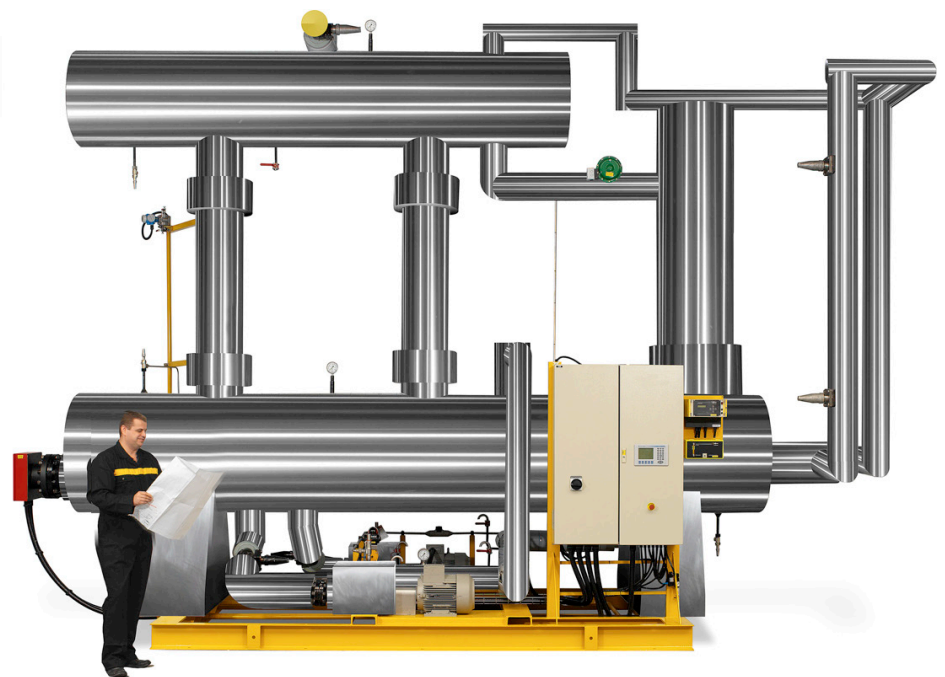
CO ₂ at outlet	> 99.998% vol.
O ₂ at outlet	< 5 ppm vol.

SCOPE OF SUPPLY

- Stripper
- Re-boiler
- Buffer
- Correction heating element
- CO₂ pump
- Control panel
- Valves and controls for fully automated operation
- All mounted, completely piped and wired on a base-frame
- Instruction manual

OPTIONS

- Continuous automated purge gas controller for CO₂ condenser
- Insulation
- In-line O₂ measurement



HAFFMANS BV

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