

CO₂ 4U-System

General Information

Nowadays, there is a very rapid development of technology. A technology is replaced even before equipment has been depreciated economically. That is why the demand for upgrading solutions and products is increasing. In recent years, much attention is paid to the purity of CO₂ gas, as currently CO₂ is often regarded as a critical ingredient. The purity requirements are "as pure as possible".

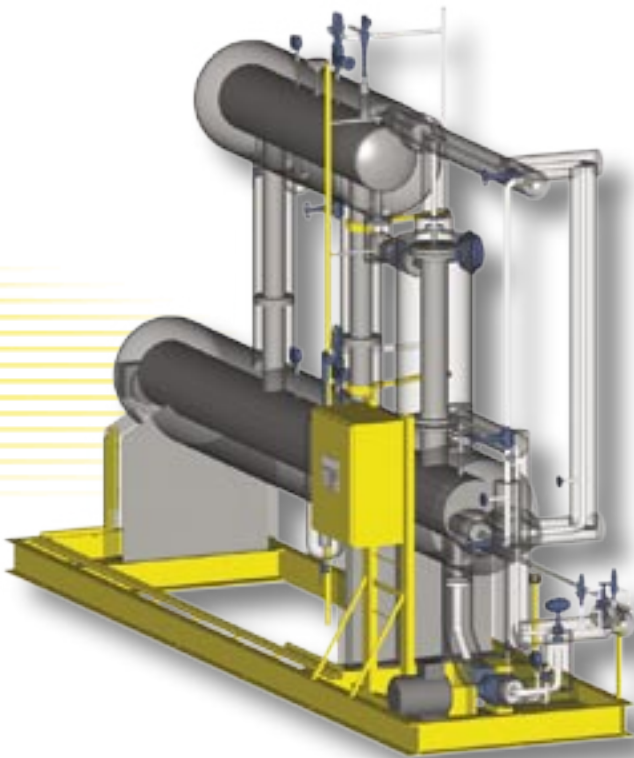
CO₂ 4U-System

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

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

Principle of operation

The CO₂ 4U is fed with liquid CO₂ by means of gravity from the CO₂ condenser. The liquid CO₂ is collected in a buffer, and supplied to the stripper in a controlled way. Start and stop effects are avoided in this design. 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.



Beverage CO₂ Systems



Technical information

Features

Short stripper column,
Horizontal re-boiler which reduces total height,
Electrical heating element for correction purposes,
Buffer vessel for minimizing start/stop effects,
Completely piped and wired,
All necessary valves and controls for fully automatic operation,
Plug-and-play, skid-mounted.

Advantages

Improves CO₂ purity,
Reduces O₂ level,
Full automatic operation,
Low maintenance,
Energy neutral.

Benefits

Unique: in design, operation, performance and efficiency,
Universal: applicable at various kinds of CO₂ plants,
Upgrading: improving CO₂ quality,
Unifying: being compact plug-and-play unit, easy to install and commission.

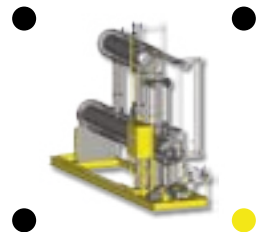
Scope of supply

Stripper
Re-boiler
Buffer
Correction heating element
CO₂ pump
Control Panel
Valves and controls for fully automatic operation
All mounted, completely piped and wired on a base-frame
Insulation (optional)
Continuous automated purge gas controller for CO₂ condenser (optional)

Technical data

CO₂ at outlet > 99.998 % vol.
O₂ at outlet < 5 ppm vol.

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



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