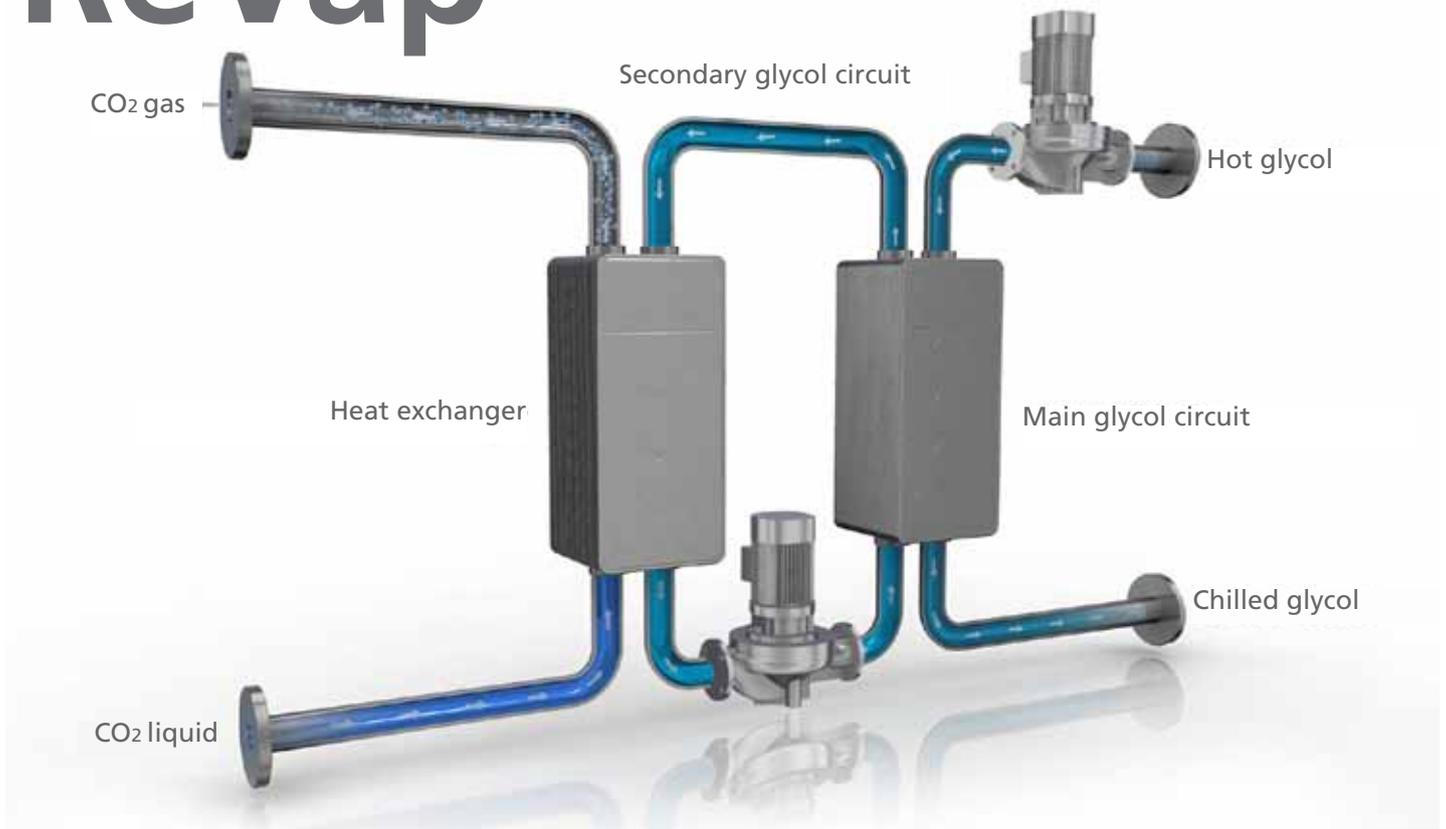


# ReVap



## ReVap cuts CO<sub>2</sub> production costs by 30%

ReVap is a technology designed to minimise both CO<sub>2</sub> evaporation and glycol refrigeration expenses in the process.

Evaporating CO<sub>2</sub> for consumption has always been an unavoidable expense in breweries (and many other CO<sub>2</sub> consuming industries), and the same applies to refrigerating glycol. However, by combining these two discrete processes, ReVap reduces the energy costs associated with both.

The innovative heat exchange system, ReVap, uses the cooling capacity of stored liquid CO<sub>2</sub> to chill glycol. The transfer of heat between glycol and liquid CO<sub>2</sub> subsequently raises the temperature of CO<sub>2</sub> to its evaporation point. The CO<sub>2</sub> is now available for the consumer as gas.

Since the simple concept relies solely on the efficient reuse of existing resources, the ReVap solution offers a saving equivalent to about 26%\* of a brewery's total annual CO<sub>2</sub> production costs. A unit typically pays for itself within 12 months.

As a self-contained system, ReVap is installed quickly (within 48 hours) without the need to halt production and its straightforward design makes it virtually maintenance free.

If you are looking to reduce energy bills and increase your positive impact on the environment, ReVap can help.

\* based on 35°C cooling water, -4°C glycol, COP = 3  
main ref. plant, steam = 22 €/ton, power = 0.1 €/kWh

## ReVap benefits

- Reduces CO<sub>2</sub> production costs by an average of 30% in breweries
- ROI within approx. 12 months
- Can be installed without halting production (i.e. no downtime)
- Virtually maintenance free
- Efficient reuse of existing resources
- Emphasises the use of ecological and financially sustainable processes and procedures

ReVap is supplied as a complete, fully functioning unit. It includes primary and secondary glycol pumps, plate heat exchangers, insulated interconnected piping, automatic and manual valves, expansion vessel and a switchboard.