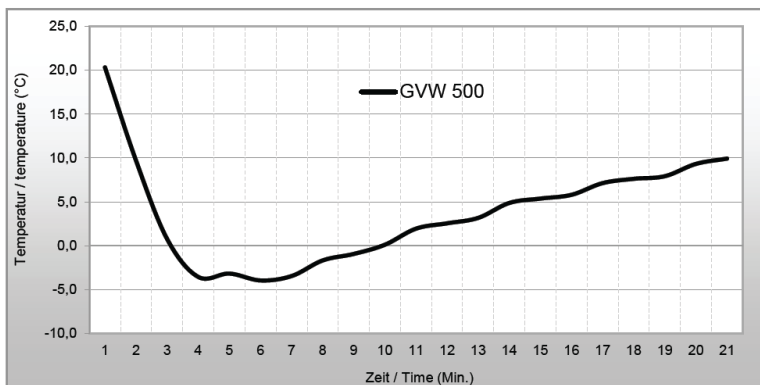


CO₂ gas pre-heater & regulator set

SAFE USE OF CO₂ GAS

When using CO₂ gas for modified atmosphere, it is usually supplied in high-pressure cylinders in liquid state. When the CO₂ expands to gaseous state, ice formation will occur if no measures are taken. For vQm applications, the gas flow is typically tuned up to max. 6 bar, in which case the regulator will freeze and may cause dangerous situations. To prevent this, a high-capacity gas pre-heater is essential, in combination with a high flow regulator. Since such heaters & regulators are not commonly available. This ready-to-connect set allows you to get started safely & quickly with your vQm system.



The figure shows the temperature curve for the gas withdrawal out of 1 cylinder carbon dioxide (CO₂) with cylinder regulator at a constant flow of 10 Nm³/h at 6 bar.

The 500W gas pre-heater (230V/50Hz) is suitable for food applications. The high flow (chrome plated brass) regulator (SC290F from Rotarex) is a single stage cartridge regulator, with a maximum inlet pressure of 200bar (2900 psi) and outlet pressure of 16 bar (232 psi). The set includes all connectors & adaptors you need*.



FOR EXTREME SPEED YET SAFE & EASY

**Just check the thread type that your gas supplier is using on CO₂ cylinders, so we can supply you the correct connection!*