

CDS

Carbonation System



The Application

Every Centec carbonation unit is equipped with a special designed Vortex-Venturi nozzle for CO₂. It achieves by using the integrated Vortex edge a perfect mixture of carbon dioxide with the beverage. No static mixer is required anymore thus the pressure drop in the main line is minimised. The integrated Centec in-line process measurement for CO₂ controls the dosing fully automatic . The carbonation system can be equipped with a booster pump, pressure hold valve for the dissolving pipe or a sterile filter for CO₂. An optional remote access kit for the SPS provides software updates or trouble shooting within hours.

- **Expandable by a High-Gravity Blending System** for the continuous high accurate production of HG-Beer in the filtration or direct in front of the filler
- **Optional Process Visualisation**
Visualize and store continuously the process on the local PLC or at an upper SCADA System.
- **Optional In-line Measurement**
for Oxygen, OG, conductivity, Alcohol or pH

Technical Data

Capacity	10 - 2000 hl/h
Range and control of measurement CO₂	0-10 g/l or 0-5 Vol%
Temperature	-2 - +50°C
Pressure	0-10 bar
Material	1.4301 / 1.4404
PLC	Siematic S7



- **Hygienic**

in design and fully integrated in the CIP process

- **Flexible**

by using a local PLC or fully integrated in the overall process

- **Full automatic**

controlled by high sophisticated process measurement

- **Effective**

by using the special designed Vortex Injector for CO₂



Centec Carbotec TR-PT
In-line Process Measurement for carbon dioxide

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