

## CO<sub>2</sub> Dosing Device

### General information

The developments around reduction of storage time, high gravity brewing, the production of non-alcoholic beers and high volume storage tanks result in a growing demand for carbonation.

The Haffmans long experience and references in CO<sub>2</sub> injection as well as CO<sub>2</sub> dissolution will not only guarantee a “bubble free” CO<sub>2</sub> injection but also an accurate CO<sub>2</sub> dosage that will ensure a perfect Process Control.

### Principle of Operation

CO<sub>2</sub> is injected into the inlet of the dissolving tube and finely dispersed with help of static mixers. Following this, a calculated number of static mixers will ensure that all the remaining CO<sub>2</sub> dissolves. This absorption can be checked visually through a sight glass.

The CO<sub>2</sub> analyser determines the amount of CO<sub>2</sub>. With this signal the CO<sub>2</sub> quantity to be injected is controlled so that the required CO<sub>2</sub> content is accurately achieved.

### Description

The AGM is a skid-mounted system utilising proven components, including all required piping, wiring and control system. The hygienic, fully automatic and reliable, design guarantees easy handling, low maintenance and a long lifetime. Extensive factory tests as well as worldwide references are evidences of the quality and reliability of the CO<sub>2</sub> Dosing Device, type AGM.



## Beverage CO<sub>2</sub> Systems



## Technical information

### Cleaning

The CO<sub>2</sub> Dosing Device is manufactured according to the highest sanitary standards. The unit is provided with full automatic CIP capability.

### Service

The CO<sub>2</sub> Dosing Device is a user-friendly and fully automatic system, which has a very small need for spare parts. The self-diagnostic electronics help you adequately in case of problems. Clear operating instructions, maintenance information and a reliable service department are part of our services.

### Benefits

- High measuring and control accuracy
- Hygienic Design
- CO<sub>2</sub> bubble free dissolved
- No gas losses
- Fully PLC controlled

### Measuring Ranges

CO<sub>2</sub>: 2.0 - 9.9 g/l

### Dosing Accuracy

CO<sub>2</sub>: +/- 0.05 g/l

### Options

- Pressure control loop
- Constant pressure valve
- Double seat valve for CO<sub>2</sub> CIP by-pass
- Nitrogenation

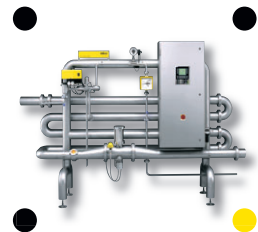
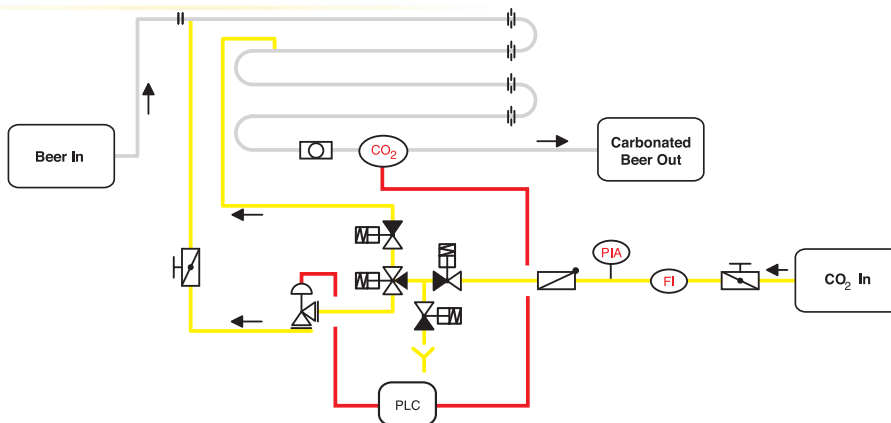
### Material

Product Contact parts: AISI 316

Non Contact parts: AISI 314

### Control Cabinet

Protection class: IP 54



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**NORIT** The Purification Company

**AGM**