

# INLINE CARBONATION

## Mobile Manual Unit

- Micro bubble size
- Instant saturation
- No CO<sub>2</sub> and flavor loss
- Efficient, hygienic design



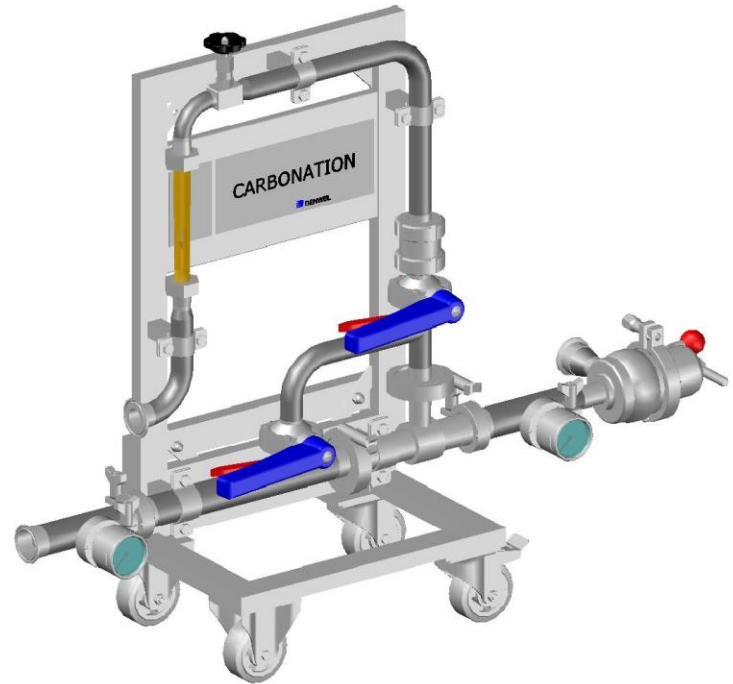
# I N L I N E C A R B O N A T I O N

## Principle

CO<sub>2</sub> is injected into the beverage through DENWEL Injector, which splits the gas into micro bubbles. Most efficient and instant dissolution of CO<sub>2</sub> is achieved with only a minimal pressure drop and no gas and flavor loss. No static mixer, sinter candle or tank with stone is required. Designed for CIP, no parts of the Injector have to be removed for sanitation.

Precise CO<sub>2</sub> injection adjustment using beer flow determination always maintains carbonation at desired level. The integrated a pressure holding valve keeps the injected CO<sub>2</sub> dissolved in the beer.

The unit comes assembled on a compact frame, is tested and rapidly put into operation. Proven components guarantee reliability and extended lifetime. The modular layout allows easy integration into production and efficient combination with other process units.



## Technical data

|              |   |  |  |  |  |
|--------------|---|--|--|--|--|
| Carbonation: | up to 6 g/l, 3 V/V (P & T dependent)                            |  |  |  |  |
| Pressure:    | operating 3 to 5 barg, 44 to 72 psig                            |  |  |  |  |
| Temperature: | operating 0 to 5 °C, 32 to 40 °F                                |  |  |  |  |
| CIP:         | 3 to 5 barg, 44 to 72 psig; max. 90 °C, 200 °F                  |  |  |  |  |
| Connection:  | Tri-clamp; other connections upon request                       |  |  |  |  |
| Dimensions:  | from Height 0,8 m, 31,5"; Width 1,1 m, 43,3"; Depth 0,2 m, 6,5" |  |  |  |  |
| Weight:      | from 25 kg, 55 lb   |  |  |  |  |
| Material:    | Stainless Steel 304, EPDM, PSU, PP                              |  |  |  |  |
| Models:      |   |  |  |  |  |

|         |       |     |                |              |                 |
|---------|-------|-----|----------------|--------------|-----------------|
| DCS025M | DN 25 | 1"  | 10 to 25 hl/h  | 5 to 11 gpm  | 9 to 21 bbls/h  |
| DCS040M | DN 40 | 1½" | 16 to 40 hl/h  | 8 to 17 gpm  | 14 to 34 bbls/h |
| DCS050M | DN 40 | 1½" | 20 to 50 hl/h  | 9 to 22 gpm  | 18 to 42 bbls/h |
| DCS075M | DN 40 | 1½" | 30 to 75 hl/h  | 14 to 33 gpm | 26 to 63 bbls/h |
| DCS100M | DN 50 | 2"  | 40 to 100 hl/h | 18 to 44 gpm | 35 to 85 bbls/h |