

# Inline Carbonation

Semi-Automatic Unit

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For instant beverage carbonation

- Micro bubble size
- Instant saturation
- Precise CO<sub>2</sub> injection
- CO<sub>2</sub> ratio controlled

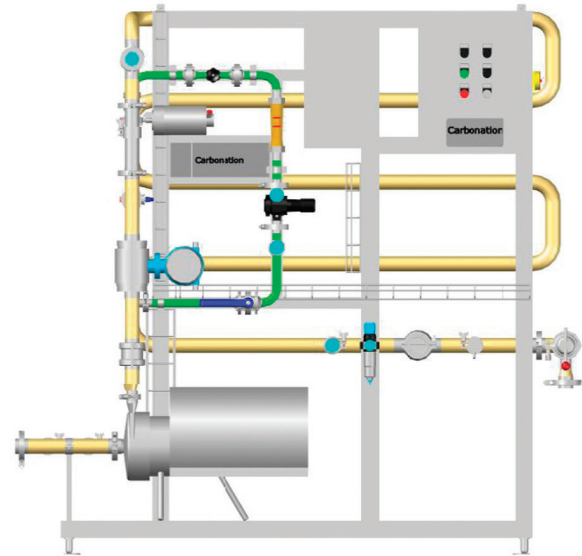


## Principle

CO<sub>2</sub> is injected into the beverage through Bucher 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, no gas loss and a fully hygienic design. No static mixer, sinter candles are needed.

Precise CO<sub>2</sub> ratio controlled injection using a flow meter always maintains carbonation at desired concentration. An integrated pump with a pressure holding valve maintains required pressure for carbonation.

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 2 to 5 barg, 30 to 72 psig
Temperature:	operating 0 to 5 °C, 32 to 40 °F
CIP:	2 to 5 barg, 30 to 72 psig; max. 90 °C, 200 °F
Connection:	Tri-clamp; other connections upon request
Dimensions:	from Height 1,9m, 6,2'; Width 2,0m, 6,5'; Depth 0,6m, 2'
Weight:	from 200kg, 440 lb
Material:	Stainless Steel 304, EPDM, PSU, PP
Dimensions:	from Height 1,6m, 63"; Width 0,7m, 47"; Depth 0,6m, 24"
Weight:	from 550 lb, 250kg
Material:	Stainless Steel 304, EPDM, PE, PSU, PP

### Models:

DCS050S	DN 40	1½"	20 to 50 hl/h	9 to 22 gpm	18 to 42 bbls/h
DCS075S	DN 40	1½"	30 to 75 hl/h	14 to 33 gpm	26 to 63 bbls/h
DCS100S	DN 50	2"	40 to 100 hl/h	18 to 44 gpm	35 to 85 bbls/h
DCS150S	DN 65	2½"	60 to 150 hl/h	27 to 66 gpm	52 to 127 bbls/h
DCS200S	DN 65	2½"	80 to 200 hl/h	36 to 88 gpm	69 to 170 bbls/h
DCS300S	DN 80	3"	120 to 300 hl/h	53 to 132 gpm	103 to 225 bbls/h
DCS500S	DN 100	4"	200 to 500 hl/h	88 to 220 gpm	171 to 426 bbls/h
DCS750S	DN 125	5"	300 to 750 hl/h	132 to 330 gpm	256 to 639 bbls/h
DCSA00S	DN 150	6"	400 to 1000 hl/h	176 to 440 gpm	341 to 852 bbls/h

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### Products

We develop and produce a wide range of specialized equipment and provide engineering solutions dedicated to help brewers to optimize their processes.

Combining experience and innovation we build safe and reliable Cold Blocks, supply brewing equipment such as Filtration, Beer recovery systems, Yeast plants, Water Deaeration, Blending, Carbonation, Dosing, Hard Seltzer units, Flash Pasteurization and CIP.

### Services

We have a global presence. Our sales and service network is always available for you to provide consultancy, technical support and after sales service.