



Subject to modifications.

GEA DIMIX-B Mixing & Carbonation System

Technical data

The high-gravity brewing system, type GEA DIMIX-B, has been designed for the highly accurate control of the original gravity (alcoholic strength) and CO₂ content. It essentially consists of the following components:

- Flow meters (beer, CO₂, deaerated water)
- Control valves (CO₂, deaerated water)
- Product analyser (CO₂, OG alcohol measurement), option
- Saturation pipe
- Control panel with operating device
- Completely mounted on a base frame, pre-cabled and tested

The values required for the original gravity and the CO₂ content of every beer type are stored in the recipe memory of the operating and control unit. The digital control unit calculates the set points for the flow rate on the basis of the given ratio. As an option, the original gravity meter at the outlet of the system continuously determines the original gravity and so the need for the addition of water. The resulting flow rates are controlled by high-precision control valves. The saturating pipe is designed to allow the CO₂ bonding to be finished before reaching the analyser.

Features

- High-precision original gravity (up to 0.05% OG)
- Single-stage carbonation to the saturation value
- Measurement of the CO₂ content in the product
- Direct CO₂ control
- CO₂ dispersion with a special carbonating unit
- Simple operation
- Completely mounted and tested
- Designed for foodstuffs, suitable for CIP

GEA DIMIX-B is available with the following options:

1. Sterile filter for CO₂
2. Booster pump
3. Separate CIP water line
4. Steam on CO₂ pipe
5. Analyser Beer monitor (OG, CO₂, Alcohol)

Technical data

Dimension	Max. capacity [hl/h]	Design size [DN]	Length [mm]	Width [mm]	Height [mm]	Weight approx. [kg]*	Installed power [kW]*
	38	25	2,500	1,600	2,000	600	<2
	80	40	2,500	1,600	2,000	600	<2
	140	50	2,500	1,600	2,000	600	<2
	230	65	2,500	1,600	2,050	650	<2
	360	80	2,500	1,600	2,050	700	<2
	570	100	2,500	1,600	2,200	800	<2
	880	125	3,000	1,800	2,350	900	<2
	1,250	150	3,000	2,000	2,350	1,000	<2

* without options

Material 1.4404/EPDM, other materials available on request only

Pressure drop approx. 1.5 bar

CO₂ pressure 6 bar (purity 99.998%)

Control air 6 - 8 bar

Carbonation 1 - 8 g/l or 0.4 - 4 l/l resp. (other values on request)

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