

Description

The blending and carbonating system DIMIX-B has been designed for the exact control of the original wort (alcohol content) and CO₂ content.

The set values for the original wort (alcohol content) and the CO₂ content for every beer type is stored in the recipe memory of the control system. Before the system is started, the operator selects a recipe and releases the production.

The original wort meter (alcohol metering) at the outlet of the system continuously determines the original wort (alcohol content) depending on which the addition of water is set.

Via the saturator CO₂ is added to the product and dispersed to permit a physical absorption in the following saturating pipe section. The actual CO₂ content is checked by the CO₂ meter at the end of the saturating pipe section. The controller causes a permanent setpoint-to-actual value comparison and a respective adjustment of the control valve for CO₂.

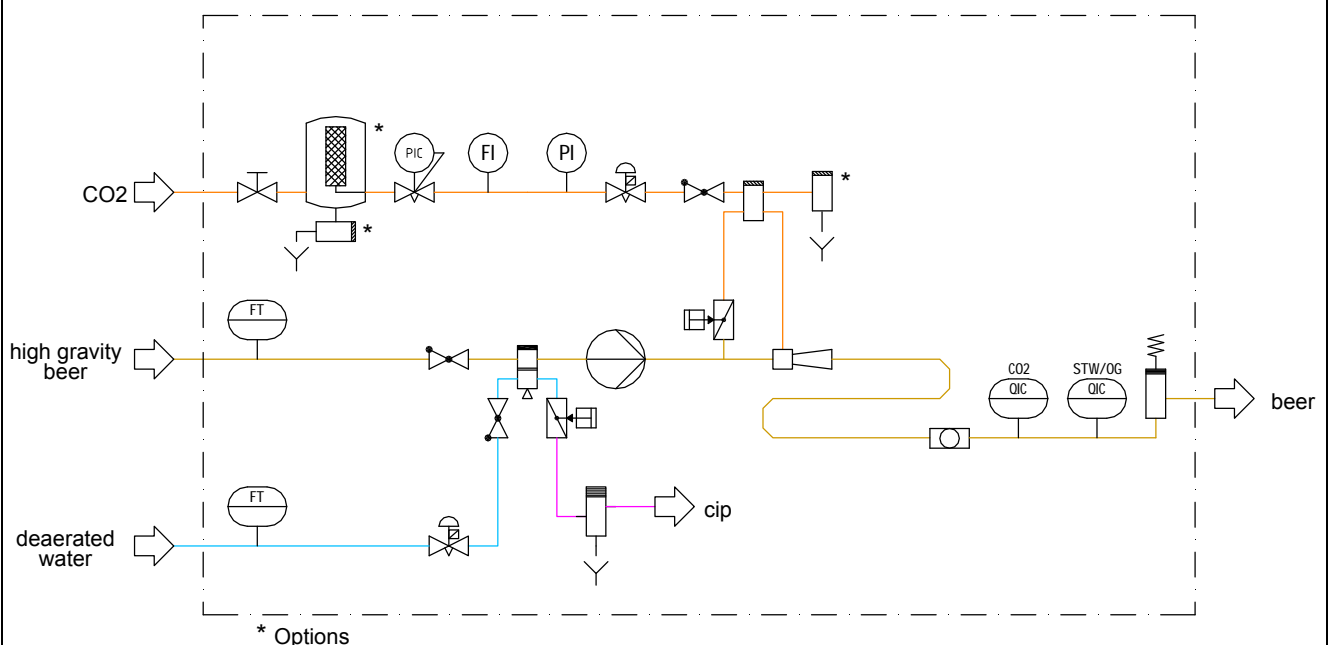
By means of the cascade ratio control between high gravity beer and water fluctuations of the flow rate in beer and water which are caused by external influences, are quickly compensated. This guarantees a constant quality of the beer.

The CO₂ measurement is additionally used as parameter for the original wort metering in order to achieve highest accuracy.

The water pipe can be cleaned separately or, if required, in parallel to the beer pipe.

Optionally, the CO₂ pipe can be extended by a sterile filter, and it can also be prepared for the steaming.

Scheme



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Carbonating System
DIMIX-B

D 46.25 E

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Technical Data

Product	beer	
Flow ranges	DN 50	100 - 140 hl/h
	DN 65	140 - 240 hl/h
	DN 80	240 - 350 hl/h
	DN 100	350 - 550 hl/h
	DN 125	550 - 850 hl/h
Carbonation	8 g/l or 4 l/l max.	
CO₂ supply	6 - 8 bars	
Max. product temperature	20°C (higher values on request)	
Water supply	3 bars min. (function of the beer pressure)	

Dimensions

Nominal width	L	B
50	2.000	1.200
65	2.300	1.200
80	3.200	1.400
100	3.600	1.400
125	3.800	1.400

Fig. (Example).

