

News and Innovations 02/2025

Optional extension for all FAMIX TurboDigi:

Combined vacuum and pressure degassing for maximum performance



The result: with combined vacuum and pressure degassing, you achieve an exceptionally low residual oxygen content of **less than 0.1 mg/l**. For a longer shelf life, excellent taste and the highest product quality. Your customers will taste it too!



Your benefits at a glance:

- + **Maximum degassing capacity**
residual oxygen content
< 0.1 mg/l
- + **Finest carbonation and best CO₂ binding**
- + **Longer shelf life and consistent product quality**
- + **Energy-efficient, sustainable and economical**
- + **Robust FAMIX technology** – reliable and low-maintenance
- + **State-of-the-art control and regulation technology**
for maximum process precision and microbiological safety
- + **Network or BUS connection for communication and data backup**
- + **User-friendly design:**
 - smooth workflow
 - minimal losses
 - simple, automated cleaning processes thanks to hygienic design

Function sequence

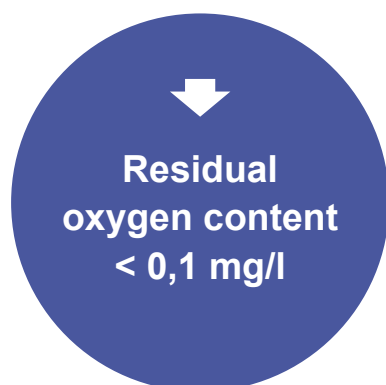
- 1.) The beverage water to be deaerated is fed via a spray nozzle into the first vacuum container, which is under a vacuum of 98%.
- 2.) The air/water vapor mixture released in the process is continuously extracted via a vacuum pump.
- 3.) The deaerated water collects at the bottom of the first vacuum tank.
- 4.) The deaerated water is then pumped through an injector, where CO₂ is added in doses.
- 5.) The CO₂-enriched water is then fed into the second vacuum tank, also via a spray nozzle.
- 6.) In the second vacuum tank, the remaining oxygen is expelled by the increased CO₂ partial pressure and sucked out again by the vacuum pump.



CO₂ measurement using a float. Flow meter for determining the CO₂ addition to reduce the residual O₂ value to < 0.1 mg/l.



Fine adjustment for the addition of CO₂ from 0-2 g/l with carbonation unit.



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