

Deaerator

Bare Brew's membrane deaeration system is engineered to provide seamless water deaeration and de-gasification, offering simplicity and reliability in operation. Deaeration enriches the Flavor Profile by reducing oxygen exposure during brewing, thus safeguarding the delicate flavors and aromas of your ingredients. This results in a crisper, cleaner taste in the finished beer.

Utilizing deaerated water enhances the stability of your beverages. By eliminating dissolved oxygen, the risk of oxidation in the final product is markedly diminished, extending the beer's shelf life and ensuring prolonged freshness. This stability is essential for maintaining consistent quality across batches.

Operating at a nominal flow rate of up to 5 gallons per minute, our systems utilize a membrane assembly to achieve an outlet O₂ target of < 50ppb. Proper membrane maintenance, storage, and inlet water filtration are crucial for sustained deaeration performance.

The Membrane Deaeration system comprises several key components:

- Liqui-Cel Polypropylene Hydrophobic Membranes
- PLC Control System with Color Touchscreen Operator Interface, compatible with AI
- Liquid Ring Vacuum Pump w/ Starter (3hp)
- Heavy Duty, Stainless Steel, Ergonomic Mobile Cart
- Can be operated outside your facility using our mobile units or within your facility
- Pre-filter (5 micron)

Technical Data:

Nominal Capacity: 5 GPM

Maximum Capacity: +10%

Incoming Water Temperature: > 50 deg F

O₂ Inlet Level: 10 – 12 ppm

O₂ Outlet Level: < 50 ppb

CO₂ Sweep Gas Requirement:
0.2, 0.4, or 0.8 scfm

The effective capacity depends on the product characteristics and other parameters.

Utility Requirements

Power: 120V, 15A

Clean and Dry CO₂
(less than 200C dew point): 100 – 300 psig

Water Inlet Pressure:
45 psig minimum (+/- 5psi)



By integrating Bare Brew's Membrane Deaeration System into your brewing process, you not only ensure beer quality and consistency but also unlock a range of benefits that enhance the brewing experience and the final product.