

BrewFlow® 8040

Beer and Wine Dealcoholisation RO Membrane

The Membrania thin-film composite RO membrane is specially developed for **wineries and breweries aiming to produce premium non-alcoholic wines and beers without compromising taste, aroma, or color**. Specifically designed for gentle yet efficient dealcoholisation, it achieves **0.0% alcohol** ($\pm 0.05\%$) while preserving the beverage's organoleptic properties and authentic terroir. The membrane provides reliable, hygienic, and environmentally friendly operation with low energy consumption. Easy to sanitize and integrate into existing production lines, it offers a long-lasting, cost-effective solution to meet the growing demand for healthier beverage alternatives.

SPECIFICATIONS

Non Alcohol production*	up to 2.6 m ³ /day / 687 gpd
Alcohol Removal*	up to 100% ($\pm 0.05\%$)
Membrane Area	33.0 m ² / 355 ft ²
Feed Spacer Thickness	31 mil

OPERATING PARAMETERS

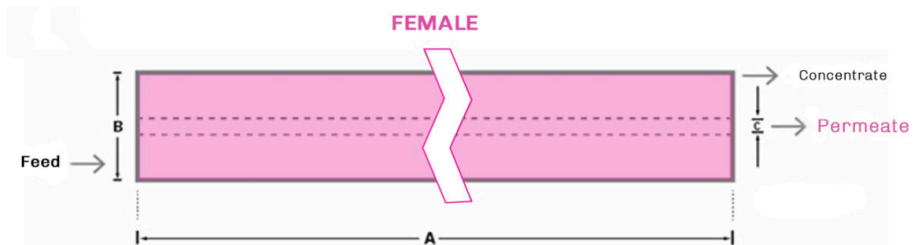
Maximum Operating Pressure	41 bar / 600 psi
Maximum Operating Temperature	50 °C / 122 °F
Cleaning pH Range	1.0 – 12.0
Chlorine Tolerance	< 0.1 ppm
Maximum Pressure Drop Element (Housing)	1.4 bar / 20 psi (6 bar / 80 psi)
Maximum SDI15	5.0
Maximum Turbidity	1 NTU

Test conditions: Feed product: filtered 10° beer with 4% alcohol content, dealcoholization with tolerance $\pm 0.5\%$.

*Depending on the feed product. Due to variations in feed products, exact operating parameters cannot be guaranteed.

PHYSICAL DIMENSIONS

Dim. A 1,016 mm / 40.0 in
Dim. B 201 mm / 7.9 in
Dim. C 28.9 mm / 1.138 in
Weight 18 kg / 40 lb



ADDITIONAL INFORMATION

Start-up: Membrania recommends flushing elements for 30 minutes at low pressure and discarding permeate during the flush prior to operation. For a more detailed start-up procedure, please see Element Start-Up Guide.

Cleaning: Membrania elements must be cleaned periodically to ensure proper operation and to prevent membrane damage. Please see Membrane Cleaning Guide Water Application Elements.

Storage: Membrania elements must be stored appropriately to ensure proper operation and to prevent membrane damage. Please see Element Storage Guides.

Regulatory: BrewFlow® 8040 use FDA (CFR Title 21) compliant materials



www.membrania.com

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