



# EROX<sup>®</sup> O<sub>2</sub>-REMOVAL

## CASE STUDY

### Initial situation

For the new construction of a brewery, a system for the removal of oxygen should be installed as part of the overall water treatment. General selection criteria were:

- Residual oxygen content <10 ppb
- Low cost of ownership
- Low investment costs
- Robust and reliable system

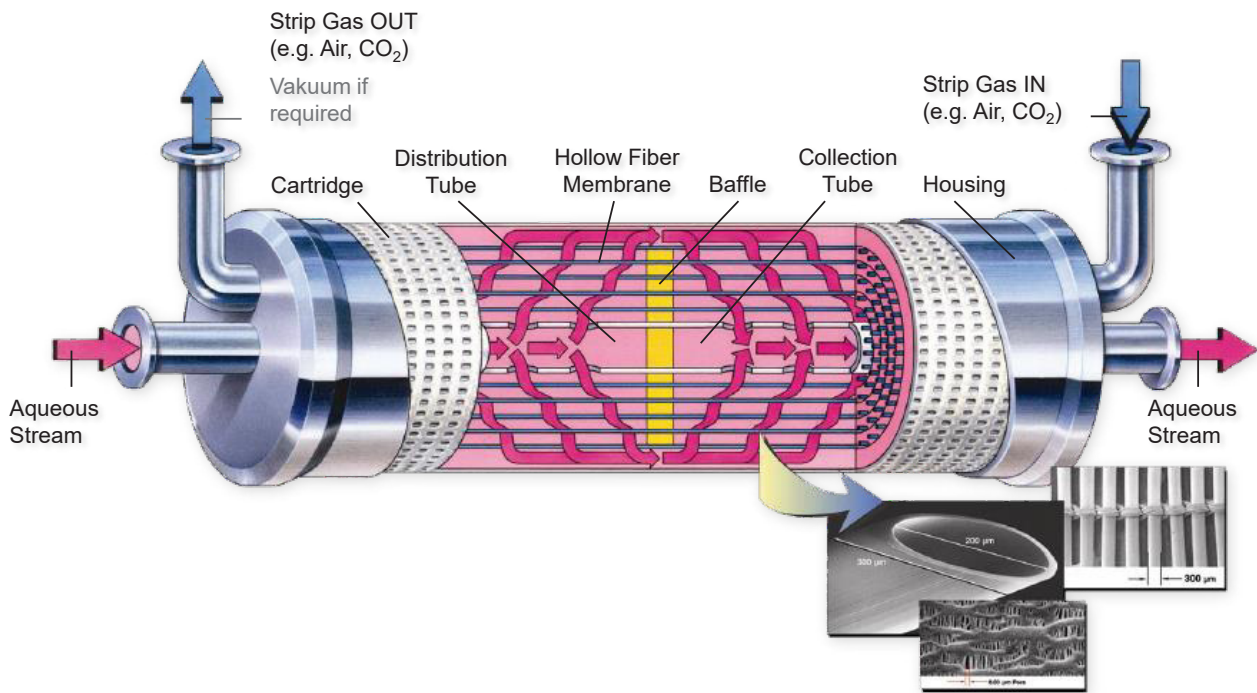
### The EUWA solution

The brewery decided to use an EROX<sup>®</sup> membrane system whose characteristic benefits completely meet the selection criteria:

- O<sub>2</sub> content <10 ppb reliably achievable
- Low stripping gas consumption
- No heating of the water necessary
- Approx. 20% lower investment costs than comparable systems
- Simple operation
- Suitable for CIP



# EROX<sup>®</sup> - O<sub>2</sub> Removal



## Practical experience

In practical use, the following key performance figures are reproducibly achieved:

- Performance: 500 hL/h
- O<sub>2</sub> content in the feed: about 8000 ppb
- O<sub>2</sub> content in the outlet: <10 ppb
- Stripping gas consumption (CO<sub>2</sub>): 20 g/hL
- Vacuum: 50 mm Hg



## Water Chemical background

Every natural water contains oxygen, usually up to the saturation limit between 8-10 ppm. However, various process steps of the beverage production require water with minimal oxygen content.

Qualitative disadvantages such as a lower shelf life or the oxidation of sensitive ingredients are avoided in this way.

With more than 50 years of experience in industrial water treatment for the beverage and food industries, EUWA is specialized in individually tailored solutions for water treatment.

Visit [www.euwa.com](http://www.euwa.com) for more about our patented processes and systems.

## EUWA Water treatment systems

Daimlerstrasse 2-10  
71116 Gärtringen  
Germany  
Tel.: +49 7034 275-0  
[info@euwa.com](mailto:info@euwa.com)  
[www.euwa.com](http://www.euwa.com)

## EUWA Singapore Pte Ltd

23 New Industrial Road,  
#07-08 Solstice Business Centre  
Singapore 536209  
Tel.: +65 6733-6006  
[euwasingapore@euwa.com](mailto:euwasingapore@euwa.com)  
[www.euwa.com](http://www.euwa.com)