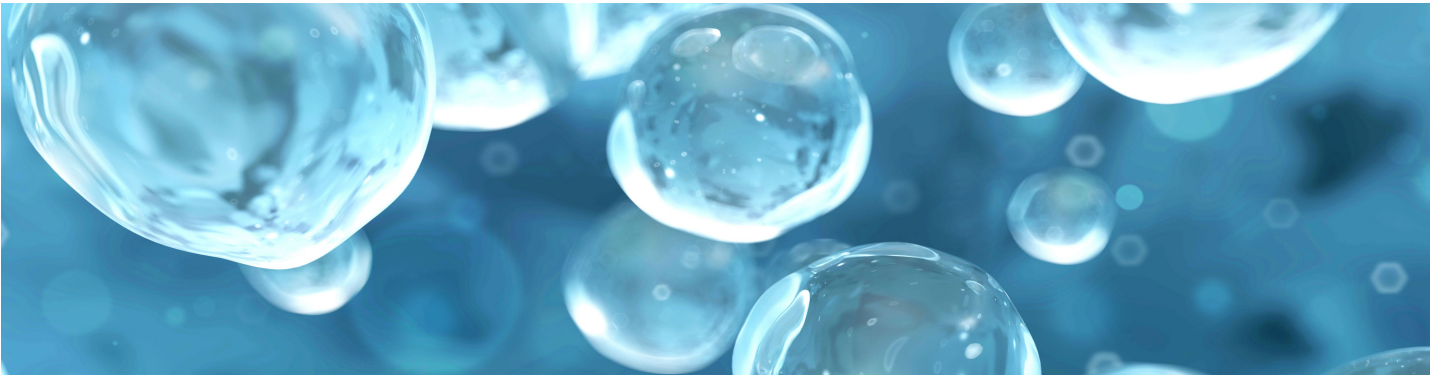


Breaking Barriers: Overcoming Filtration Hurdles in Hydrogen Peroxide Production



THE CUSTOMER

The customer, a key player in the chemical processing industry, specializes in hydrogen peroxide production. Their process requires highly reliable filtration solutions to maintain product purity and operational efficiency. For years, they depended on glass-wound filters with a unique baking process that minimized organic contamination and reduced hydrogen peroxide disposal. However, increasing supply chain challenges forced them to seek an alternative without compromising performance.

THE CHALLENGE

For over a decade, the customer relied on glass-wound filters featuring a specialized baking process that eliminates organic binders. This process significantly reduces initial bleed-out, ensuring minimal hydrogen peroxide disposal after filter replacement. However, the customer faced increasing challenges with supply chain reliability—long lead times and unstable deliveries created operational inefficiencies.

In an attempt to find an alternative, the customer explored various glass-wound filter suppliers but struggled to

find a comparable product with the essential baking process. Without this, competing products exhibited excessive initial bleed-out, leading to increased disposal of hydrogen peroxide and inefficiencies in their process.

THE SOLUTION

Global Filter provided a suitable alternative with the GG75A30S glass-wound filter. We successfully replaced the previous glasswound filter at the customer's facility with a clear performance advantage over competing solutions.

THE RESULTS

Performance Gains:

- Rapid solvent immersion testing: The GG75A30S filter exhibited a significantly reduced initial bleed-out time -only a few hours compared to the many hours required by alternative products.

- Minimized hydrogen peroxide disposal: With Global Filter's GG75A30S, the customer achieved a disposal rate of less than 1% of initial hydrogen peroxide after changing filters, compared to higher disposal rates seen with other glass-wound filters.

Value Delivered:

- Supply chain reliability: Global Filter's stable production and efficient logistics ensured a dependable supply, addressing the customer's primary pain point.

- Performance differentiation: The GG75A30S's baking process made it one of only two identified products meeting the customer's stringent requirements, positioning it as a superior alternative.

The successful implementation reinforces Global Filter's commitment to high-performance solutions and customer-centric service, opening doors for future collaboration in the chemical processing sector.

LOOKING AHEAD

This partnership with Global Filter has not only resolved immediate challenges but has also positioned the customer for long-term success. The improved filtration system ensures much lower disposal rate.

Global Filter is ready to collaborate with you to enhance your products and streamline the processes that fuel your success.
