

## Brewing Success: A Cost-Effective Filtration Solution for a Global Leader

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A global beer producer sought to expand its production while maintaining beer freshness without incurring the high capital costs of adding a flash pasteurization process. Their existing filtration system was inconsistent in eliminating microbial contaminants. Global Filter partnered with the company, conducting side-stream trials with multiple filter media to assess performance, service life, and cost efficiency. The trials led to the adoption of Global Filter's 0.45-micron borosilicate glass microfiber pleated depth media filter cartridges. The solution not only met microbial retention requirements but also preserved beer flavor and passed rigorous taste impact tests. As a result, the producer avoided costly pasteurization investments while consistently meeting global quality standards—all within budget.





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# Global Filter Provides Cartridges to World-Leading Producer of Quality Beers

## CUSTOMER VALUE

- Global Filter's pleated microglass filter cartridges passed rigorous testing for organoleptic (i.e. taste) impact on beverages and provided new options to a global beer bottler.
- Global Filter helps leading beer producer save money while maintaining quality standards.

## INITIAL SITUATION

One of world's largest beer producers was considering an output expansion

and wanted an effective process technology to maximize beer freshness. Knowing that sizeable capital expenditure requirements are always part of optimizing product quality, they contacted Global Filter during their expansion process.

The producer wanted to avoid the significant capital cost of adding a flash pasteurization process, which many in the industry believed to be necessary, in order to meet specifications for elimination of microbial contaminants. This process helps to stabilize the beer and maintain flavor while increasing its shelf life. Their current process was not consistently effective and they needed to make changes.

## CHALLENGE

In addition to a national distribution partner, Global Filter was contacted to observe production operations and discuss process objectives with the operation and quality control staffs. The teams agreed on a plan to conduct side-stream trials using multiple filter medias. The test design bracketed the range of retention efficiencies to allow the bottler to achieve a series of data that helped each media with service life, microbial retention performance, and cost per filtered barrel.

## SOLUTION STATEMENT

The side-stream trials resulted in the selection of Global Filter's 0.45 micron borosilicate glass microfiber pleated depth media filter cartridges. After six months of active use, the bottler was pleased with the change and the results validated their assertion that a flash pasteurizing system was unnecessary.

Another positive outcome of the trials was the recognition that Global Filter's pleated micro-glass filter cartridges passed rigorous testing for organoleptic (i.e. taste) impact on the beverages. An additional bonus was the program came in below budget. Today the beer producer consistently achieves product quality standards required by their global customer base.

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

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