



PRESS RELEASE

Pleated Depth Filter Enhances Enzyme Production

Amazon Filters

reports on how a leading **Animal Healthcare company** has made significant time and cost savings through implementation of a **SupaPore 16FPW microfiltration system** for **bioburden control** on its 100m³ batch production of an enzyme added to chicken feed.

The customer

was originally using a 10-inch pre-filter and final filter combination for bioburden control from a different supplier. Using this set-up not only were bioburden levels of filtered product variable but they also typically had to use 1 filter for every 100 litres of product meaning huge replacement filter costs, long batch filtering time and lots of downtime for filter changes.

Amazon Filters offered and trialled its SupaPore 16FPW filter as a replacement solution. Widely proven in bioburden control installations, the SupaPore 16FPW being a pleated depth filter offered greater filter life and better throughputs than the existing system. Using a 10-inch version of the SupaPore 16FPW in its trials the customer was able to reduce filter changes to just 3-4 filters per batch. On Amazon Filters recommendation the customer has implemented a multi round filtration housing enabling them to run a whole batch through in a single pass. Not only has this produced a consistent sterile grade enzyme product but it has also reduced



downtime, filter usage and processing time enabling the customer to make significant time and cost savings.

The advanced borosilicate glass microfibre media used in SupaPore FPW microfiltration cartridges was selected due to its enhanced depth characteristics and exceptionally low-pressure losses. This is combined with a downstream polypropylene media to support and strengthen the system. This highly efficient media combination is stable even in the most severe CIP (Clean In Place) systems. The optimised pleated depth media offers high flow rates, excellent dirt holding capacity and superior retention levels. Manufactured using polypropylene for the hardware, the SupaPore FPW construction utilises a thermal welding technique to seal all the components therefore eliminating adhesives and extractables and optimising cartridge integrity. Its high filtration efficiency and dirt capacity makes it an excellent choice for use in almost all bioburden control processes.

Amazon Filters is a leading international supplier of bioburden reduction systems used to provide high quality filtration of the various liquids used in veterinary pharmaceutical product formulations. For further information on SupaPore FPW pleated depth filter please visit <https://bit.ly/2F4P0vI> or contact Amazon Filters on +44-(0)1276-670600 / sales@amazonfilters.co.uk.

Amazon Filters Ltd. design and manufacture an extensive range of liquid filtration systems, providing one of the widest selections of filter vessels, along with depth and pleated cartridges for use throughout the process industries. As a leading manufacturer of filtration systems, Amazon Filters can offer a solution to meet all filtration requirements. Amazons' filters are manufactured in clean room conditions and all products come with detailed Product Validation Guides and Technical Support documentation. To view a video on Amazon Filters design and manufacture capabilities please visit <https://www.youtube.com/watch?v=DG9S6SLDgM4>



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Illustrative image:

