




Filtration Systems *Life Science*

Purification Control Technology

Filtration Systems for Life Science

Pharmaceutical companies and those involved in "Life Science" have gone beyond traditional business models and are operating on a global scale nowadays. The challenges for the production of new medicines and active substances are requiring increased research and more strict cooperation with suppliers to design and realize new production lines and more flexible and efficient new equipment. To meet these new market demands, BEA Technologies has a highly qualified team and the most advanced technologies and instruments, and is able to achieve the levels of quality and safety required by current regulations. The filtration technologies proposed by us are finalized to reach the best Quality – price rate for sterilization and clarifications of products, **liquid solutions active substances for pharmaceutical use and utilities.**





BEA Technologies offers solutions for the microfiltration of liquids and compressed gases dedicated to the specific needs of the **LIFE SCIENCE industries: Pharmaceutical, Medical and Cosmetic.**

The expertise in typical applications such as fermentation, sterile filtration of liquids, filtration for injectables, filtration of process fluids and gelatins has allowed the development of products with specific performances tailored to needs of industry and laboratory services and a highly professional technical assistance.

Reliable, efficient, customized.

BEA Technologies filtration solutions for the LIFE SCIENCE sector

Each product is the result of constant technological research, of the careful selection of materials, of a controlled production process and it is verified and accepted after specific tests.

All materials used to manufacture filter elements, tested and approved by independent laboratories, are in compliance with the USP class VI for plastic materials; moreover, all the filters have been tested and approved according to the elemental impurities ICHQ3D guideline requirements.

BEA Technologies is organized to provide:

Validation guides for each filter element.



Complete traceability of product.



Compliance with USP-class VI, USP water for injection.

Wide range of filtering membranes:
PES, N66, PVDF e PTFE.



Interchangeable configurations and End-Caps.

Customization of filters and housings.



Guarantee of high quality as the production process is entirely Made in Italy.

BEAPURE - "Animal Free Products".
Some with "HALAL" certification.



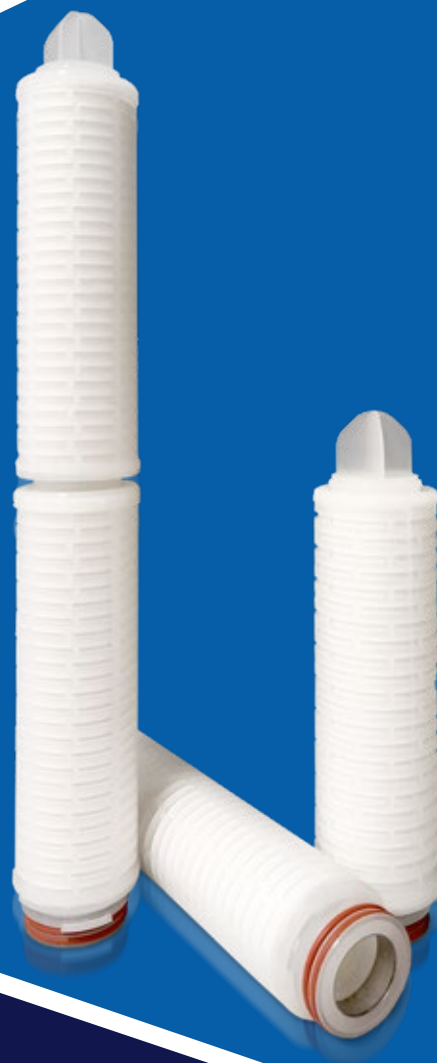


APPLICATIONS FOR HIGH POTENT API

An innovative line of filtering systems designed to assure safety in High Potent API (HPAPI) applications. The system is made to achieve double containment, with the filter element contained in a capsule, enclosed in a second steel or plastic housing. A practical and effective solution to replace insulators.

COMPLETE LINE OF CAPSULES AND FILTER ELEMENTS

BEA Technologies offers a complete line of filter elements for all the needs of the Life Science industry, which includes the main types of membrane filters and filter elements in nano- fibers, pre-filters available with the most widely used interchangeable fittings. The filter elements are provided with the necessary documentation: Validation Guides, to complete the Regulatory Files and marked with a barcode on the labels for a quick and safe recognition. Additional QR Code on fin or top cap.



QUALITY MAKES A DIFFERENCE IN CRITICAL MOMENTS

To select a manufacturer as a supplier, with a high technical skill and a structured organization makes the difference in critical moments. It means to have certified pharma products, checked and in compliance with the regulations, but also being able to count on the advice of an expert partner. Essential elements for companies accustomed to face future scenarios with a "focus" to "risk base thinking" that really want to be prepared for the challenges of the future markets.



Fast, effective, qualified.

BEA Technologies assistance at the service of the LIFE SCIENCE industries

A fast intervention makes the difference when it comes to assistance. That's why BEA Technologies offers a team of qualified experts, able to support companies both in the selection phase and in the after-sales.

Services provided by BEA Technologies:

Support in the validation of processes, with customized specific validation protocols.



Filtration tests in a internal Lab and field tests at the customer's site to size the system and optimize the filtration process.



International technical assistance.



Fast and reliable delivery times, confirmed at time of order.



Customer service available for all commercial requirements.

Looking for the right solution.

Dedicated filtration solutions for specific applications

Legislative constraints, typical problems, process complexity: each application has its own characteristics, which must be carefully considered in the selection phase of the most suitable filtration system.

For each industry and application of the LIFE SCIENCE sector, BEA Technologies suggests one or more dedicated products.

PHARMACEUTICALS:

- ULTRAPURE WATER
- INJECTION LIQUIDS
- DEPYROGENATION
- SYRUPS
- OPHTHALMIC
- ACTIVE PRINCIPLES (API-HPAPI)
- FERMENTATION
- SOLVENTS

HOSPITAL:

- LIQUID PURIFICATION AT THE POINT OF USE
- DIALYSIS
- BIOBURDEN REDUCTION
- FLUID STERILIZATION

COSMETIC:

- CREME/MOUSSE
- GEL
- AEROSOL
- PURIFIED WATER



BEAPURE - "Animal Free" philosophy

BEA Technologies has developed a new line of filter elements for biopharmaceutical use by applying the "BEAPURE" concept. This concept involves the use of Animal Free high purity materials delivered by a controlled supply chain to build filter elements dedicated to critical applications, guaranteeing the highest quality of pharmaceutical products.

Some of BEAPURE filter elements are "HALAL" certified,

BEAPURE means designing with the safety of the final patient as an objective:

- Materials free from derivatives and additives of animal origin (BSE/TSE free and Animal-free statements).
- Production materials of controlled origin and in compliance with regulations.
- Periodic and repeated checks in the BEA Laboratory for extractables and potential leachables.
- Protection from external contamination during production.
- Traceability and rapid and safe marking of production materials to help operators to guarantee quality.
- Compliance with the latest European regulations, USP and FDA and "HALAL" certification.

BEA Technologies offers its experience in filtration to help customers in the "Life Science" sector achieve the best results in the purification of products at the best "Quality-price ratio" and safety levels prescribed by "Pharmacopea".



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