



Filtri Animal Free **BEAPURE**



Purification Control Technology





VISION

To be among the world suppliers of technologically advanced filtration systems.

MISSION

Designing high-tech filter elements and filtration systems capable of meeting the growing needs of the production world, through the continuous improvement of processes and performance. With regard to the Life Science sector, to offer microfiltration solutions for pharmaceutical, hospital, and cosmetic companies, produced in controlled atmosphere environments to meet GMP requirements and safety and traceability parameters.

QUALITY MANAGEMENT

The activities of BEA Technologies are regulated by the Quality Management Manual for the design, production and distribution, and after-sales service phases. The Quality Management System is certified by an international body and recognized according to the ISO 9001.



Since 1961 **BEA Technologies** has been developing and distributing filtration systems, which are manufactured in the company's Italian production plant, in compliance with the reference standards and regulations of the following main industrial sectors: **Life Science, Food & Beverage, Industry, Air & Gas Treatment and Energy, Oil & Gas.**

The constant research in the field of technologies and materials has allowed the company to supply cutting-edge, advanced, and competitive products.

The design, manufacturing, distribution, and after-sales services meet the requirements of ISO-9001.

The pressure vessels are manufactured in accordance with international design codes and certified for the European Pressure Equipment Directive (PED).

BEA Technologies has developed a network of distributors and agents throughout Europe, North and South America, Asia, and the Middle East, in order to ensure local commercial assistance during the pre and post-sales phases.

Laboratory, R&D, and validation services

The highly qualified team specialized in the fields of filtration, microfiltration, and industrial processes is engaged in constant consultancy, analysis, and research of new technologies and applications.

BEA Technologies consulting services include:

- feasibility studies
- support to the qualification service
- refresher courses
- particle analysis
- microbiological analysis and challenge (ASTM)
- verification of chemical and material compatibility





BEAPURE *« Animal free » filter elements*

BEAPURE filter elements are built using materials and polymers (Polypropylene, Polyester, PES, Nylon 66, PTFE), completely free from derivatives of animal origin (e.g.: stearates), generally added during the production process to facilitate extrusion and molding. (Conversely, filters that are only in compliance with the requirements for "BSE / TSE" contain animal derivatives that have only been "deactivated" to prevent potential transmission of BSE and TSE).



Specific features of BEAPURE filters

Declared Animal Free

- Production materials completely free from derivatives of animal origin
- Compliance with the latest European regulations and FDA regulations
- Compliance with HALAL requirements
- Traceability of the materials used in the production process
- Production in the Clean Room
- Periodic checks in the BEA laboratories
- Final checks on assembled filters

The BEAPURE series filters comply with the latest European and FDA regulations for food and pharmaceutical use, and are available in a wide choice of materials, to best meet the needs of the sector:

STERYKLEAR ADM FREE BEA CODE KSEA
filter elements with PES membrane

STERINYL ADM FREE BEA CODE KLEA
filter elements with Nylon 66 membrane

STERYFLON ADM FREE BEA CODE PTFA
filter elements with PTFE membrane

POLYVER ADM FREE BEA CODE PLVA
filter elements with borosilicate microfibre

POLYSAN ADM FREE BEA CODE PKPA
filter elements with PP membrane

POLIXSTER ADM FREE BEA CODE PKEA
filter elements with PE membrane

MICRONYL MLE HIA
HALAL certified elements

POLIXSTER PKE HIA
HALAL certified filter elements





CONTROLLED PRODUCTION IN A CLEANROOM

BEA Technologies constantly invests in automated manufacturing equipment located within the Cleanroom area to ensure compliance with pharmaceutical requirements and ensure the quality of filter elements on an ongoing basis. The Clean Room environment is continuously monitored to ensure cleanliness in production. All membrane filter elements produced undergo integrity testing before final packaging.



TRACEABILITY OF THE PRODUCT

The production is carried out internally to guarantee the quality of the product and the reliability of a controlled supply chain. The highly skilled production team benefits from the direct support of the research and development department to maintain production efficiency and problem-solving effectiveness.

BEA Technologies is able to guarantee the traceability of the materials used and the process control in every single assembly phase. The Company is able to support customers in validating the use of its filters in pharmaceutical production lines.



PERIODICAL CHECKS IN THE LABORATORY

To ensure compliance of the materials and filter elements with the certifications, BEA Laboratory Service carries out periodic checks on the characteristics and performance of the materials and filter elements produced.

- Extractable analysis
- Bacterial provocation test
- Resistance to mechanical stress and steam sterilization



RESEARCH AND DEVELOPMENT

BEA Technologies' research and development team has the technical knowledge for the most advanced filtration research projects capable of meeting customer needs in various applications.



Feasibility studies.



Particle analysis.



Microbiological analysis.



Chemical compatibility of the material.



Support for installation, operational, and performance testing.



Filtration training courses.



Start-up assistance and survey of filtration lines.



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