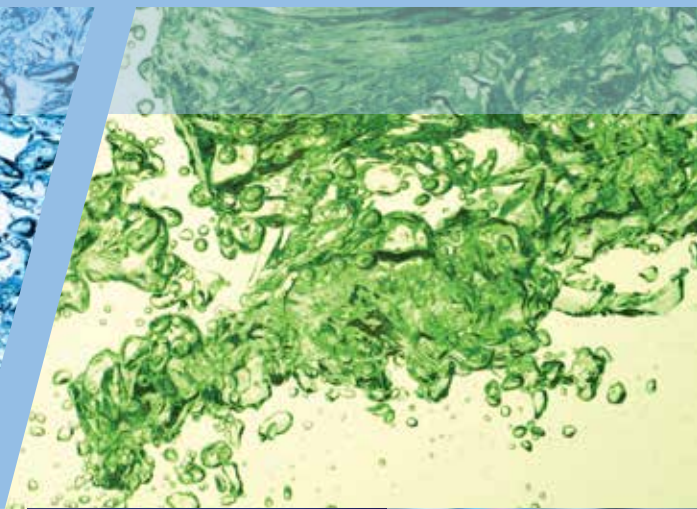




Innovation, teamworking  
& High ethical standards



Microfiltration

Filtration & system solutions



## History

BEA Technologies S.p.A designs and manufactures, in its Italian facility, lines of products specific for the filtration of gas and liquids besides the assembling of Microfiltration systems.

Our Research & Development department is constantly focused on improving the product range to incorporate the latest technologies available on the market.

BEA organization is based on 3 Sales Divisions to be able to provide the technical expertise necessary to give solutions and supports to the different applications in the following sectors: Microfiltration, Industrial and Process filtration, Compressed air and gas treatment.

We are committed to solve the current needs of the customers and to work to satisfy the future requirements. All our filter elements are in compliance with national and international regulations and are supplied with the relative certifications.

We are organized to support our customer during the validation steps of a filtration process.

## Mission

BEA Technologies has always considered human resources a key factor to be developed to have a highly motivated and dynamic team oriented to “problem solving” and to satisfy the customer’s needs.



## Quality System

All the procedures controlling the manufacturing of our products are under the surveillance of our QUALITY SYSTEM which is certified according to ISO 9001 and 3834 by an international accredited institution.

BEA housings and pressure vessels are designed according to international construction codes and are CE marked according to PED (Pressure Equipment Directive) for which BEA Technologies is certified by a third party independent authorized institution.

## Assured quality

Bea Technologies provides reliable results and it is in compliance with regulations.



## Customer oriented

Bea Technologies provides solutions and services dedicated to the specific needs of the customer.

## Customer Service

We have a highly experienced team of filtration experts available to listen and advise the customers regarding the selection of the best filter for their specific application. Select BEA Technologies means to find a high quality and reliable partner oriented to "customer satisfaction".

## Logistic and global assistance

The customer service is working on proprietary information system to follow automatically the orders in all relevant steps of order processing – CRM – MPR planning.

The internal Data Management is executed on a virtual infrastructure which is implemented for the "Disaster recovery" to have immediate interchangeability of hardware and guarantee the safety of process data and customer's orders.

## Stock & warehouse

BEA Technologies keeps a stock of finished filters and semi-finished parts to be assembled according to customer's orders.

## Global Service

We have a network of Agents and Distributors to provide Pre and Post – sales assistance in Europe, USA, Asia and Middle East areas.



## Production

BEA Technologies manufactures critical filter elements in a Clean Room to comply with GMP guidelines and reduce any potential contamination.

The key production activities are constantly controlled by a computerized system.

The integrity of all the sterilizing membrane filter elements is individually checked with non-destructive test methods.

Destructive tests are performed according to ASTM F838-15 prescriptions, on a periodical basis, to guarantee an effective bacteria retention.

The bacterial retention results correlated with the integrity test data are reported in the Validation Guide for each membrane filter to define the acceptable integrity test values and guarantee the bacteria retention performance.

## Production

Who selects Bea Technologies has found the right partner: quality, reliability and collaboration oriented to the customer satisfaction.



## Particulate process filters



### Top life

**Description**

Depth filter element with multiple stratification; and different thickness porosity

### Polysan

**Description**

Polypropylene pleated filter element with high filtration area

### Polyverse

**Description**

Polypropylene pleated filter element suitable to be regenerated by backwashing

### Polixter

**Description**

Polyester pleated filter element with high chemical compatibility

### Cleartrak

**Description**

Pleated filter element with borosilicate microfibers suitable for colloidal contaminants retention

### Positrak Plus

**Description**

Pleated filter element with borosilicate microfibers and positive charged polypropylene suitable for high adsorption of negative charged contaminants

### Nanotrak

**Description**

Pleated filter element with polypropylene nanofibers and borosilicate microfibers for high and constant performance

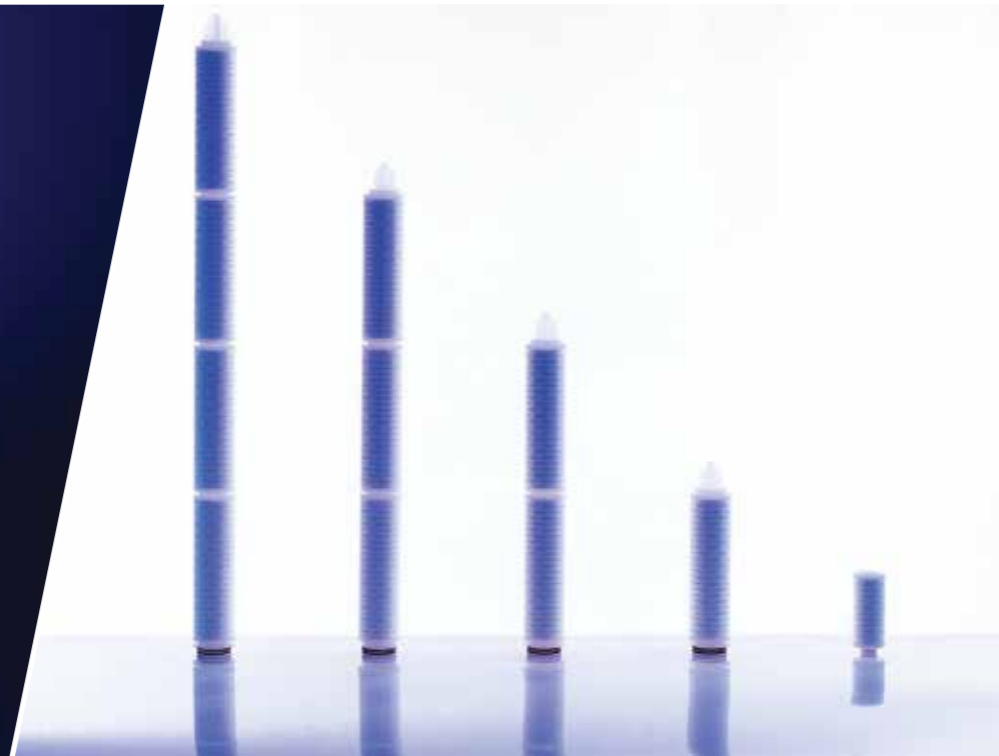
### Novatrak

**Description**

Pleated filter element with high performance polypropylene nanofibers ideal for prefiltration and Bioburden Reduction



## Membrane filters for liquids



### Micronyl

**Description**

Nylon 6.6 membrane filter element suitable for Bioburden Reduction

### Sterinyl

**Description**

Membrane sterilizing filter element in Nylon 6.6 for critical applications

### Posinyl

**Description**

Positive charged Nylon 6.6 membrane filter element. Suitable for bacterial endotoxins retention

### Steryaqua

**Description**

Polyethersulfone (PES) membrane filter element suitable for Bioburden Reduction

### Steryflus

**Description**

Polyethersulfone (PES) membrane sterilizing filter element for critical applications

### Steryklear

**Description**

Polyethersulfone (PES) membrane sterilizing filter element with high filtration area for critical applications

### Steryultra

**Description**

Polyethersulfone (PES) membrane filter element with high filtration area. Specific for Mycoplasma retention

### Biodene

**Description**

PVDF membrane filter sterilizing element specific for bioburden reduction

### Sterydene

**Description**

PVDF membrane filter element for sterilizing treatment



## Air and gas membrane filter elements



### Steryflon Plus

**Description**

Sterilizing PTFE membrane filter element for critical applications

### Protemp

**Description**

PTFE membrane filter element suitable for air filtration up to 80°C

### Sterytemp Plus

**Description**

PTFE membrane filter element suitable for air filtration up to 105°C

### Provent Plus

**Description**

PTFE membrane filter element specific for vent





## Qualikap-S

### Description

PES membrane capsule for small batches

## Qualikap-N

### Description

Nylon 6.6 membrane capsule for small batches

## Qualikap-T

### Description

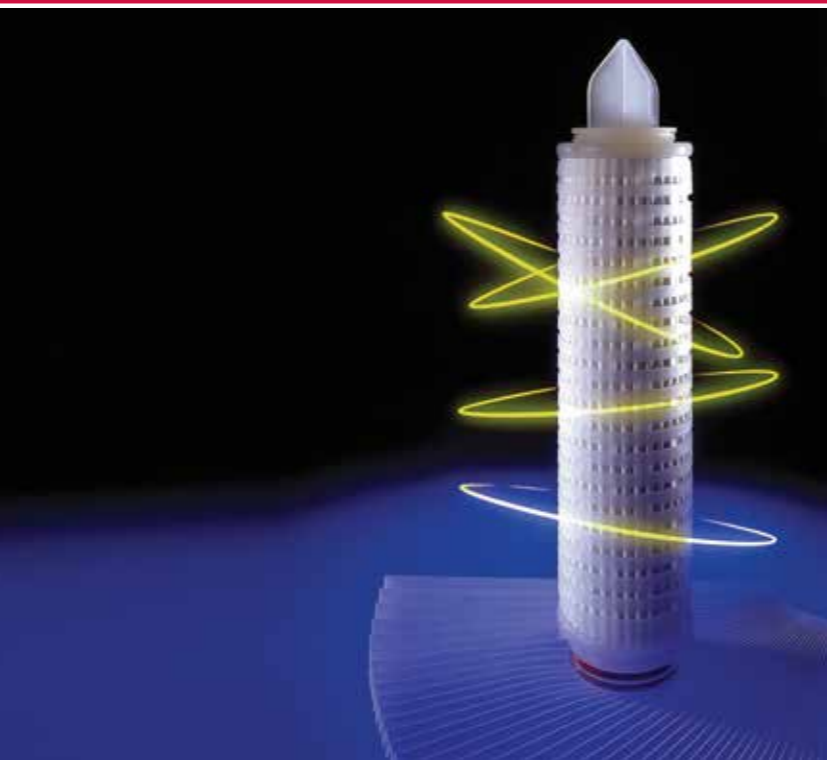
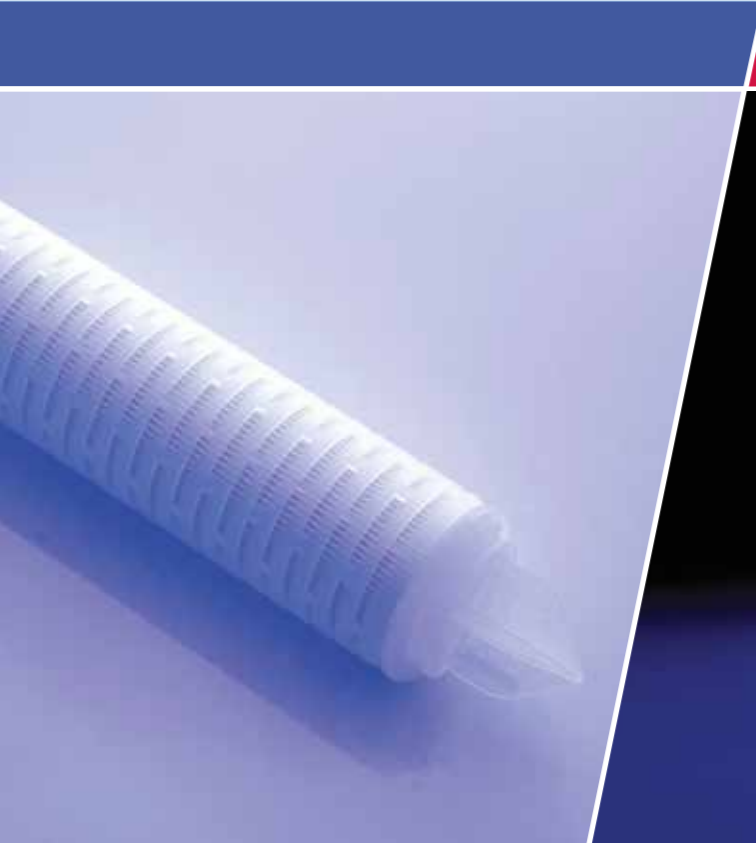
PTFE membrane capsule for small batches and bent of Bioreactors

## Capsules and minicartridges





## Utilities



## Starlife

### Description

Polypropylene depth filter element

## Bravopleat

### Description

Polypropylene pleated filter element assembled with hot-melt technology

## Solinox

### Description

Metallic mesh filter element

## Retinox

### Description

Metallic pleated mesh filter element

## Poratech-Inox

### Description

Sintered stainless steel filter element

## Steelpore

### Description

Pleated filter element made of sintered stainless steel fibers



## Large size filter elements

### Polex

**Description**

Large size polypropylene depth filter element

### Magnex

**Description**

Large size pleated filter element with high holding capacity

### Granfilter

**Description**

Large size pleated filter element with high flowrate

### Granpleat

**Description**

Large size pleated filter element for high flowrates in reverse flow





## INTEGRITY TEST

### Beamatic

Beamatic has been designed following the most recent CFR for Electronic batch and GAMP (Good Automated Manufactured Practice) regulation.

The device performs the following test:

- Bubble point
- Diffusion or decay test
- WIT

### Beatest

A portable device to test membrane filter element using Diffusion or Pressure Hold test.

Friendly and easy to use, Beatest is able to store up to 19 test types by filter/housing and 100 results.

The test performed are saved and can be printed connecting to any PC.

## Integrity test





## Housings

We have designed a new housing series for beverage applications. Those housings comply with safety regulation and are easy to use during change out.

The housings are made of stainless steel Aisi 316L with DIN 11851 connections.

The finishing of internal/external surface are with mirror mechanical polishing or electro polishing.

## Housings





## Laboratory and R&D Department

BEA Technologies can perform complete and reliable analysis and feasibility studies.

Our Laboratory with a technical team of long experience in filtration, microfiltration and laboratory testing can provide the best support to customers for:

1. Scale-up process
2. Start-up of filtration systems
3. Particle size analysis
4. Bacterial challenge tests
5. Chemical compatibility studies
6. Training in filtration

## Lab and R&D

Bea Technologies is the solution for validation testing reliable and complete.



Filtration & system solutions

Bea Technologies Spa  
Via Newton, 4 – 20016  
Pero (Milano) – Italy

Phone + 39 02 339 271  
Fax + 39 02 339 0713

info@bea-italy.com  
www.bea-italy.com