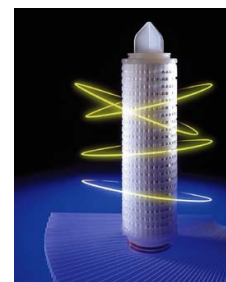


# NOVATRAK



- Innovative filter media completely made of polypropylene nanofibers
- High dirt holding capacity
- Sanitizable and sterilizable
- Thermowelded construction
- EC listed materials for food contact
- FDA listed material per CFR21



NOVATRAK cartridge represents a further milestone for Bea Technologies research and development of nanofibers for critical applications that require absolute filtration grade and reduction of the bacterial load.

NOVATRAK filter element is manufactured with an innovative filter media made of a matrix of very fine polypropylene fibers (nanofibers); they allow to achieve constant and reproducible performance, that is not influenced by the quantity of the contaminant in the liquid to be filtered, and to retain various microorganisms and bacteria as per the filtration rating.

The chemical compatibility of the materials and the technology adopted in the manufacturing process allow an effective regeneration process both by backwashing and by chemical agents.

Typical applications are in food & beverage and treatment of liquids that require particulate filtration, such as in the pharmaceutical industry.

## MATERIALS OF CONSTRUCTION

<b>Filter media</b>	Matrix of nanofibers of polypropylene
<b>Upstream supports</b>	polypropylene
<b>Downstream supports</b>	polypropylene
<b>Internal core</b>	polypropylene
<b>External cage</b>	polypropylene
<b>End caps / Adapters</b>	polypropylene

## EC DIRECTIVE FOOD SAFETY

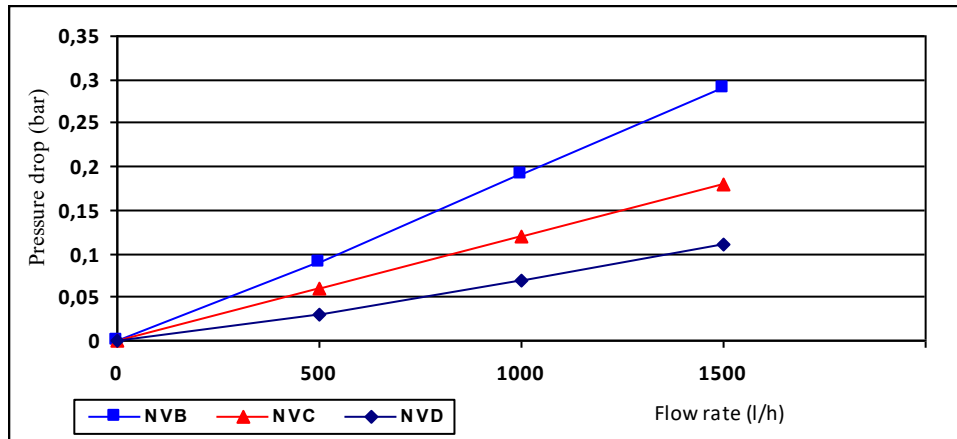
Novatrak filter elements meet (EU) regulation 10/2011 and its subsequent amendments and regulations (EC) 1935/2004 and 1895/2005.

## RECOMMENDED OPERATING CONDITIONS

- max. continuous temperature	85 °C
- max. cumulative time of steam sterilization	40 hours at 125 °C (with cycles of 30 minutes)
- sanitization with hot water	90 °C max
- sanitization with chemicals	can be sanitized by standard chemical agents
- regenerability	3% NaOH solution up to 85 °C
- max. differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C

CODE	FILTRATION RATING IN LIQUIDS	BACTERIAL RETENTION FOR 10" CARTRIDGE	MAX FLOW RATE FOR 10" CARTRIDGE l/h
<b>NVB</b>	0,2 µm	Oenococcus oeni ≥ 10 <sup>6</sup> Enterobacteriaceae ≥ 10 <sup>6</sup> Saccharomyces ≥ 10 <sup>12</sup> Lactobacillus brevis ≥ 10 <sup>6</sup>	400
<b>NVC</b>	0,45 µm	Oenococcus oeni ≥ 10 <sup>5</sup> Enterobacteriaceae ≥ 10 <sup>5</sup> Saccharomyces ≥ 10 <sup>11</sup>	600
<b>NVD</b>	1,0 µm	Oenococcus oeni ≥ 10 <sup>3</sup> Enterobacteriaceae ≥ 10 <sup>3</sup> Saccharomyces ≥ 10 <sup>10</sup>	800

## WATER FLOW RATE FOR 10" CARTRIDGE



## NOVATRAK ORDERING INFORMATION

**NVT - 207 1 - NVB - GG - SB - S**

END FITTING	CODE
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	<b>207 *</b>
SOE: open end with (2) O-Ring 2.222 and blind end with fin.	<b>208 *</b>
SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	<b>212 *</b>

\* with AISI 316 stainless steel ring

FILTRATION RATING MICRON	CODE
0,2	<b>NVB</b>
0,45	<b>NVC</b>
1,0	<b>NVD</b>

CODE	DESCRIPTION
<b>SB</b>	Single box
<b>MB</b>	Multiple box

GASKET	CODE
Silicone	<b>S</b>

CODE	DESCRIPTION
<b>CQ</b>	General grade with Quality Certificate in the box
<b>PH</b>	Biological grade General grade fluxed with non-pyrogenic water with Quality Certificate in the box
<b>GG</b>	General grade

CODE	NOMINAL LENGTH
<b>1</b>	10"
<b>2</b>	20"
<b>3</b>	30"
<b>4</b>	40"

DS-NVT-531-UK-17

The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.

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