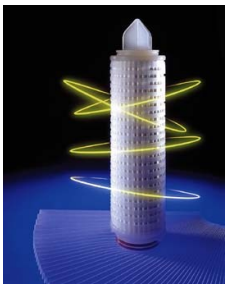
NANOTRAK



- Nanofiber matrix
- High dirt holding capacity
- Sanitizable and sterilizable
- Thermowelded construction
- EC listed materials for food contact
- FDA listed material per CFR21

Nanotrak is the solution to the food and beverages industries to reduce costs keeping high standard quality.
Nanotrak filter element is manufactured with an innovative filter media made of polypropylene nanofiber supported by borosilicate microfiber.
The controlled dimension of these fibers provides high reliable performances reaching an absolute filtration grade (efficiency >99.98%) that is not influenced by the quantity of the contaminant in the liquid to be filtered.
The chemical compatibility of the materials and the technology adopted in the manufacturing process allows an effective regeneration process both by backwashing and by chemical agents.
Typical are food &beverage applications and water treatments where particles removal is the main target.
Manufacturing is made in a controlled environment ti keep high quality standards.

MATERIALS OF CONSTRUCTION

Filter media	Nanofiber matrix of polypropylene with microfibers of borosilicate
Upstream supports	polypropylene
Downstream supports	polypropylene
Internal core	polypropylene
External cage	polypropylene
End caps / Adapters	polypropylene

EC DIRECTIVE FOOD SAFETY

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

BIO-SAFETY

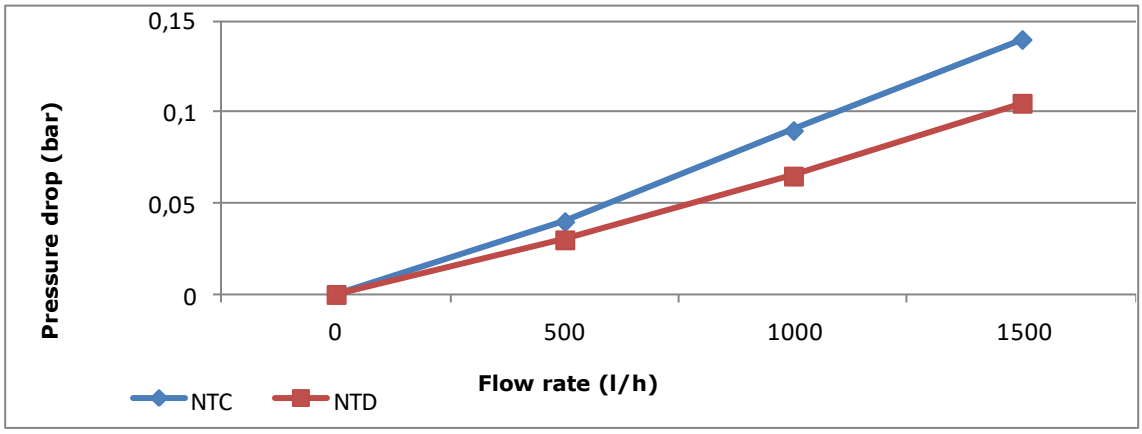
Filter media and components pass USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics.
Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins (< 0,25 EU/ml).

RECOMMENDED OPERATING CONDITIONS

- max. continuous temperature	80 °C
- max. cumulative time of steam sterilization	40 hours at 121 °C (with cycles of 30 minutes)
- sanitization with hot water	90 °C max
- sanitization with chemicals	can be sanitized by standard chemical agents
- regenerability	2 % NaOH Solution at room temperature
- 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	MAX WATER FLOW RATE 10" CARTRIDGE l/h
NTC	0,5 µm	500
NTD	1,0 µm	700

WATER FLOW RATE FOR 10" CARTRIDGE



NANOTRAK ORDERING INFORMATION

NTK - 207 1 - NTC - GG - SB - S

END FITTING	CODE
DOE: double open end with flat gaskets	**200**
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	**207 ***
SOE: open end with (2) O-Ring 2.222 and blind end with fin.	**208 ***
SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	**212 ***

* with AISI 316 stainless steel ring

FILTRATION RATING MICRON	CODE
0,5	**NTC**
1,0	**NTD**

CODE	DESCRIPTION
SB	Single box
MB	Multiple box

GASKET	CODE
Silicone	**S**

CODE	DESCRIPTION
GG	General grade
PH	Prefluxed with non-pyrogenic water, Quality Certification in the box
CQ	General grade with Quality Certification in the box

CODE	NOMINAL LENGTH
1	10"
2	20"
3	30"
4	40"

DS-NTK-530-EN-24

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