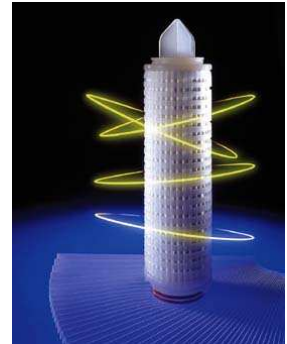


## CLEARTRAK

- Extended filtration surface area
- Wide selection of filtration ratings
- Thermowelded construction
- Outside diameter 68 mm allows retrofittings
- Steamable
- Sanitizer resistant
- EC-listed materials for Food contact (only for code NA, NB, NC, ND and NF)
- FDA-listed materials per CFR21 (only for code NA, NB, NC, ND and NF)



CLEARTRAK is designed to retain very fine contaminants and to reduce bio-burden. The media is obtained pleating borosilicate microfibers with upstream and downstream layers of polypropylene. The porous matrix retains the contaminants both by mechanical and adsorption actions. Each filter element is prefluxed and meet CFR21 requirements for "non-fiber releasing". Main applications are upstream membrane cartridges in Food & Beverage and Cosmetic industries. PH grade is prefluxed with non-pyrogenic water and is supplied for Pharmaceutical applications together with the Certificate of Quality.

### MATERIALS OF CONSTRUCTION

<b>Filter media</b>	Borosilicate microfiber
<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

### FOOD-SAFETY

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

### BIO-SAFETY

Filter media and components of code NA, NB, NC, ND and NF pass USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics.

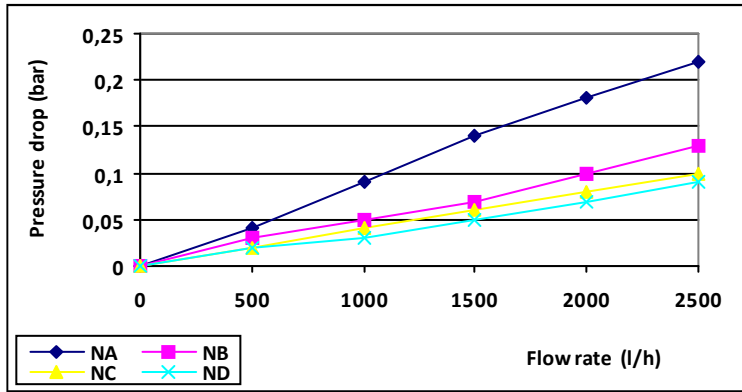
Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins (< 0,25 EU/ml).

### OPERATING CONDITIONS

- max. continuous temperature	65 °C
- sterilization with steam	continuously with cycles of 30 minutes at 121 °C
- sanitization with hot water	80 °C max
- max. differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C

CODE	FILTRATION RATING (µm)	MAX. WATER FLOWRATE FOR 10" CARTRIDGE (l/h)
NA	0,2	1000
NB	0,3	2000
NC	0,5	2000
ND	1,0	2200
NF	3,0	2500
NL	5,0	2500

## WATER FLOW RATE FOR 10" CARTRIDGE



## CLEARTRAK ORDERING INFORMATION

**KTR - 687 1 - NA - GG - SB**

EXTERNAL DIAMETER	END FITTING	CODE
68 mm	DOE: double open end with flat gaskets	<b>680</b>
	SOE: open end with (1) O-Ring 2.20. Blind end with flat top	<b>682</b>
	SOE: open end with (2) O-Ring 2.222. Blind end with flat top	<b>683</b>
	SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	<b>687</b>
	SOE: open end with (2) O-Ring 2.222. Blind end with fin.	<b>688</b>
	SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	<b>612</b>

FILTRATION RATING	CODE
0,2 µm	<b>NA*</b>
0,3 µm	<b>NB*</b>
0,5 µm	<b>NC*</b>
1,0 µm	<b>ND*</b>
3,0 µm	<b>NF</b>
5,0 µm	<b>NL</b>

\* Available with PH grade

CODE	PACKING TYPE
<b>SB</b>	Single box
<b>MB</b>	Multiple box

CODE	GASKETS		END FITTING
<b>no code</b>	Standard	EPDM	680 682
<b>S</b>	On request	Silicone	All the others
<b>no code</b>	Standard	EPDM	
<b>S</b>	On request	Silicone	
<b>V</b>	On request	Viton	203-207 208-212 with AISI 316 stainless steel ring
<b>SSS</b>	On request	SILICONE	

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

CODE	PRODUCT GRADE
<b>BQ</b>	Biological Grade: tested and prefluxed, Quality Certification in the box.
<b>GG</b>	General Grade without certification
<b>PH</b>	Biological Grade: prefluxed with non-pyrogenic water. Quality Certification in the box.

Data contained in this bulletin 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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