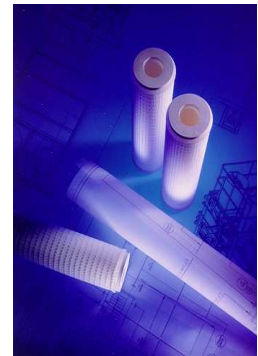


## BRAVOPLEAT BNP

- High flow rate with low operating cost
- High dirt holding capacity
- Manufactured in one single piece up to 40"
- Outside diameter 66 mm allows retrofittings
- EC-listed materials for Food contact (only code "001" and "003")
- FDA-listed materials per CFR21 (only code "001" and "003")



BRAVOPLEAT BNP provides a cost effective filtration in applications where retention efficiency, service operating life and dirt holding capacity are the key factors.

The media is obtained pleating borosilicate microfibers with upstream and downstream layers of polyester; the end fittings, in polypropylene and available in several configurations, are assembled by Hot-melt process. The media retains the contaminants both through mechanical and adsorption mechanism: the result is high dirt holding capacity and precise filtration rating.

External extruded cage prevents back pressure phenomena and allows the sanitization and sterilization cycles. The cartridges 20", 30" and 40" are manufactured in one single piece and represent a valid alternative to retrofit string wound cartridges, when better performances are required.

Main applications are filtration of chemicals, inks, galvanic solutions and coolants.

The materials used in grade "001" and "003" meet international guidelines for Food contact.

### MATERIALS OF CONSTRUCTION

<b>Filter media</b>	borosilicate microfiber
<b>Upstream supports</b>	polyester
<b>Downstream supports</b>	polyester
<b>Internal Core</b>	extruded polypropylene
<b>External Cage</b>	extruded polypropylene
<b>End caps / Adapters</b>	polypropylene

### FOOD-SAFETY

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

### OPERATING CONDITIONS

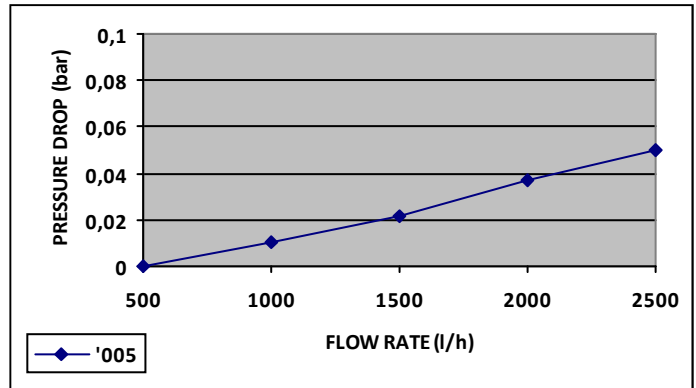
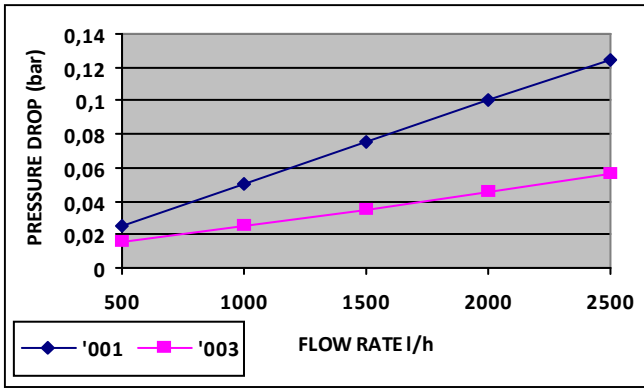
- max. continuous temperature	65 °C
- sanitization with hot water	80 °C max
- max. differential pressure	4,0 bar at 25 °C
- recommended change out differential pressure	1,5 bar at 25 °C

CODE	FILTRATION RATING (µm)	MAX WATER FLOWRATE FOR CARTRIDGE (l/h)			
		10"	20"	30"	40"
001	1 #	900	1800	2700	3600
003	3 #	1300	2700	4000	5300
005	5	1800	3600	5400	6500*

\* The limit of 6500 l/h is limited by the internal core section

# for food contact

## WATER FLOW RATE FOR 20" CARTRIDGE



## BRAVOPLEAT BNP ORDERING INFORMATION

**BNP - 667 3 - 003 - GG - MB**

EXTERNAL DIAMETER	END FITTING	CODE
66 mm	DOE: double open end with flat gaskets.	<b>660</b>
	SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	<b>663</b>
	SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	<b>667</b>
	SOE: open end with (2) O-Ring 2.222. Blind end with fin.	<b>668</b>
70 mm	SOE: open end with (2) O-Ring and blind end with fin.	<b>709</b>

FILTRATION RATING	CODE
1 µm	<b>001 #</b>
3 µm	<b>003 #</b>
5 µm	<b>005</b>

# for food contact

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

CODE	GASKETS		END FITTING
<b>no code</b>	Standard	Buna N	660
<b>S</b>	On request	Silicone	
<b>no code</b>	Standard	Buna N	All the others
<b>S</b>	On request	Silicone	
<b>V</b>	On request	Viton	
<b>E</b>	On request	EPDM	

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

CODE	PRODUCT GRADE
<b>GG</b>	General Grade; without certification
<b>BQ</b>	Biological Grade; prefluxed with quality certification in the box
<b>BG</b>	Biological Grade; prefluxed

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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