



FLUXA

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Filtri
S.p.A.

V.le A. De Gasperi, 88/B-20017 Mazzo di Rho (MI)
Tel. 0293959.1 (15 linee)
Fax 02.93959.400/440/470
e-mail: info@fluxafiltri.com - www.fluxafiltri.com

ABSOLUTE RATED PLEATED DEPTH FILTER

Poliflo II high surface area pleated depth cartridges have been developed to suit industrial processes where high levels of efficiency are required, whilst maintaining extremely low pressure losses. In-house developments have optimised the filter media to give higher levels of porosity, and state of the art manufacturing technologies give excellent build quality.

Poliflo II filters have enhanced durability due to the use of a robust outer cage. For more critical applications where greater process control is required there is also the option to have lot and part number identification on every cartridge.

Two media options are offered as standard, the EPB and EGB. The EPB features the specific CRY Cryptosporidium grade designed for Food and Beverage applications. All feature 100% polypropylene cage, core and end cap assembly, Thermal welding processes seal all components, eliminating adhesives and extractables, and optimising cartridge integrity.

Poliflo II EPB cartridges feature:

- Melt blown polypropylene media
- Extended life version available
- Materials meet US FDA title 21 and USP Class VI requirements
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004
- CRY Cryptosporidium grade

Poliflo II GB cartridges feature:

- Glass microfibre media
- Extremely high dirt holding capacity

Absolute Rated Filter Media

- Available from 0,5 to 400 µm
- Consistent reliable performance
- Beta 5000 rating

Product Features

- One piece high strength all polypropylene support cage and core up to 1017 mm (40")
- Optional high strength core for improved thermal stability at continuously elevated temperatures.
- Suitable for most sanitisation regimes including steaming, autoclaving, hot water and most common sanitising agents. (Note: Steaming, autoclaving and hot water sanitisation must use the glass filled end-cap option)
- Batch traceability



POLIFLO II FEATURE AND BENEFITS

- High surface area, resulting in low clean Δp and excellent dirt holding capacity
- Absolute removal rating for consistent and reliable performance
- EPB - Wide chemical compatibility using 100% polypropylene to meet FDA requirements
- EXB - Extended life version for more challenging applications
- EGB - Glass microfibre media gives excellent dirt holding capacity
- Cryptosporidium grade (CRY) with typical 10^4 log reduction value for use in Food and Beverage applications

TECHNICAL DATA

Dimensions

Outside Diameter: 66 mm
 Core Diameter: 27 mm
 Typical Surface area: EPB: 0.4 - 0.6 m²
 (per 10") EGB: 0.36 - 0.39 m²
 EXB: 0.30 m²

Length: See ordering guide

Sterilisation and Sanitisation*¹

Steam: 121°C for 15 mins (20 cycles)
 Hot Water: 90°C for 30 mins (0.2 bar Δp max)
 *¹ Applies to single open end cartridges only. For all steaming and hot water applications, the Glass Filled PP end cap option must be used.

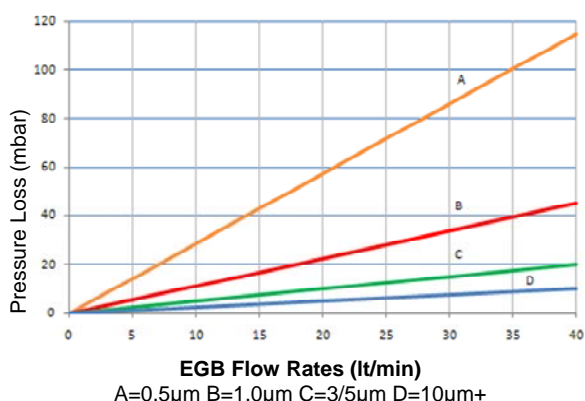
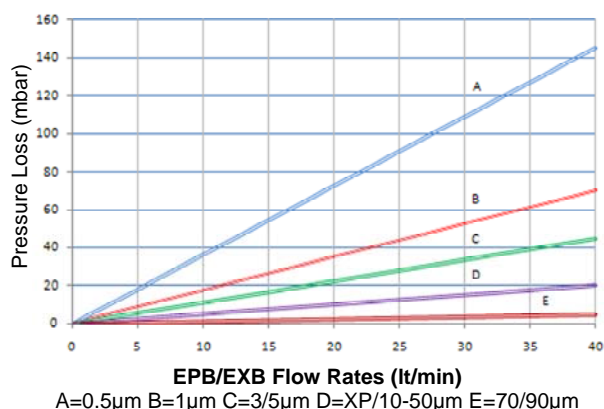
Maximum Operating Conditions

Temperature: 80°C
 Recommended Maximum Differential Pressure: 1.5 Bar

Maximum ΔP	PP Media PP Core	PP Media GFPP Core
@ 20°C	4.0	4.0
@ 50°C	1.5	4.0
@ 80°C	0.25	2.4

Product validation guide available on request. All Poliflo II cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Flow Rates For Water (10" Element)



INDUSTRIES AND APPLICATIONS

- Food and Beverage ➤ Bottled water, Beers, Wines, Flavours, Polishing lines, General clarification
- Pharmaceutical ➤ Solvent discharge, Raw water supplies
- Fine Chemicals ➤ Polymers, Acids, Bases, Solvents
- Cosmetics ➤ Alcohol, Essential oils, Mouthwash solutions
- Metal Finishing ➤ Plating solutions, Wash solutions, Paints, Resins, Varnishes
- Water Treatment ➤ Pre reverse osmosis, UV protection, Resin trap, Cryptosporidium removal
- Automotive ➤ Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints, Top coats

ORDERING GUIDE

E — ○ — ○ — ○ — ○ — ○ — ○ — ○ — ○ — ○

Media	Core/Assembly	Length (DOE)	Micron Rating	End Fittings	Seal Material	Options
P - Polypropylene G - Glass microfibre X - Extended life PP* ³	B - PP Core, PP Single Piece Hard Cage C - GFPP, PP Single Piece Hard Cage E - Stainless Steel Core, PP Single Piece Hard Cage	C9 - 247 mm 09 - 249 10 - 254 20 - 509 30 - 763 40 - 1017	CRY - Crypto* ² 005 - 0.5 µm 010 - 1.0 030 - 3.0 050 - 5.0 100 - 10 200 - 20 350 - 35 500 - 50* ² 700 - 70* ² 900 - 90* ²	0 - DOE S - Code S 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8 9 - Code 213 / Flat 9 B - Code 9 X - Speciale	B - Buna E - EPDM F - FEP/Silicone (SOE only) S - Silicone T - PTFE V - Viton	G - Glass filled PP end cap

Example: E-P-B 20 - 005 - 3 E = Polypropylene media and core with polypropylene single piece hard cage. 5 µm rating, double length (20") long, code 3 connections with EPDM seal.

*² - Polypropylene media only; *³ - Available in 5, 10 and 20 µm only