

SUPAPLEAT II

AMAZON

ABSOLUTE RATED PLEATED DEPTH FILTER

SUPAPLEAT 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.

Three media options are offered as standard, the **PP**, **GP** and **MP**. The **PP** 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.

SUPAPLEAT II PP cartridges feature:

- Melt blown polypropylene media
- Extended life version available
- Wide chemical compatibility
- 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

SUPAPLEAT II GP cartridges feature:

- Glass microfibre media
- Extremely high dirt holding capacity

SUPAPLEAT II MP cartridges feature:

- Nylon monofilament woven mesh media
- High flow, low pressure loss

Absolute Rated Filter Media

- Available from 0.5 to 400µm
- Consistent reliable performance
- Beta 5000 rating

Product Features

SUPAPLEAT II filter cartridges are produced using an improved manufacturing process resulting in the following features:

- One piece high strength all polypropylene support core up to 1017mm (40")
 - High surface area, resulting in low clean Δp and excellent dirt holding capacity
 - 100% thermally welded construction for maximum integrity and strength
 - All polypropylene hardware
 - Optional high strength core for improved thermal stability at continuously elevated temperatures
- Suitable for most sanitisation regimes including steaming, autoclaving, hot and most common sanitising agents. (Note: Steaming, autoclaving and hot water sanitisation must use the glass filled end-cap option)

SUPAPLEAT II FEATURES AND BENEFITS

- Absolute removal ratings for consistent and reliable performance
- **PP** – Wide chemical compatibility using 100% polypropylene to meet FDA requirements
- **XP** - Extended life version for more challenging applications
- **GP** – Glass microfibre media gives excellent dirt holding capacity
- **MP** – nylon monofilament mesh offers selective retention with the ability to be cleaned
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Cryptosporidium grade (CRY) with typical 10^4 log reduction value for use in Food and Beverage applications
- Batch traceability

See product guides for further details of test methods and rated efficiencies

SUPAPLEAT II



TECHNICAL DATA

Dimensions

Outside Diameter: 66mm
 Core Diameter: 27mm
 Typical Surface Area: 03PP: 0.4 - 0.6m²
 03GP: 0.36 - 0.39m²
 03MP: 0.19 - 0.25m²
 03XP: 0.30m²

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.

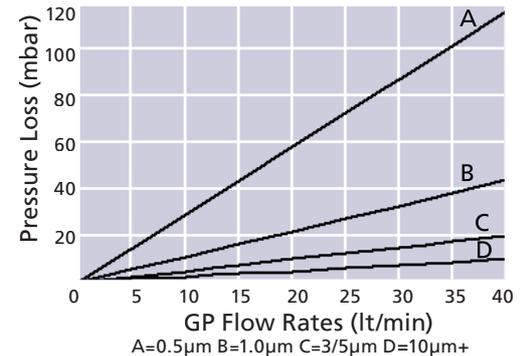
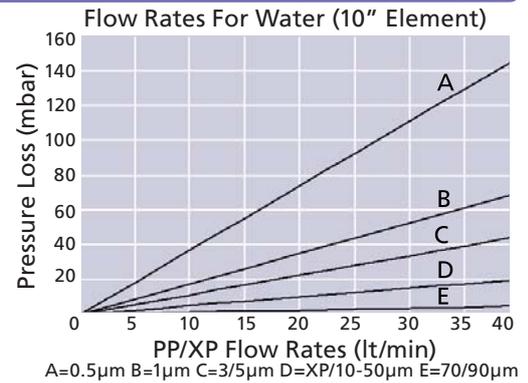
Maximum Operating Conditions

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 SUPAPLEAT II cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.



ORDERING GUIDE

MEDIA	CORE/ASSEMBLY	MICRON RATING	LENGTH (DOE)	CONNECTIONS	SEAL	OPTIONS
G - Glass Microfibre	P - Polypropylene	Glass microfibre/ Polypropylene	09 - 249mm	0 - DOE	B - Buna	G - Glass filled PP end cap
M - Nylon Mesh	D - Glass Filled Polypropylene	CRY - Crypto*2	10 - 254	A - Code A	E - EPDM	
P - Polypropylene	S - St. Steel	000 - 0.5µm	20 - 509	B - Code B*3	F - FEP/Silicone (SOE only)	
X - Extended Life pp*4		001 - 1.0	30 - 763	S - Code S	S - Silicone	
		003 - 3.0	40 - 1017	2 - Code 2	T - PTFE	
		005 - 5.0		3 - Code 3	V - Viton	
		010 - 10		7 - Code 7		
		020 - 20		8 - Code 8		
		035 - 35		9 - Code 9		
		050 - 50*2				
		070 - 70*2				
		090 - 90*2				
		Nylon				
		100 - 100				
		200 - 200				
		400 - 400				

Example: 03PP005-203EA = Polypropylene media and core, 5µm rating, double length (20") long, code 3 connections with EPDM seal.
 *2 - Polypropylene media only *3 - Code B to fit Amazon 50 Series housings only *4 - Available in 5, 10 and 20µm only

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

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