

SUPAPLEAT B-BLUE

Large Diameter High Flow Process Filters



SupaPleat B-Blue filters are large diameter, high surface area pleated cartridges offering maximum efficiency and exceptionally high flow capabilities. They have been developed to suit larger scale processes where high performance is required. The filters incorporate advanced pleated depth media providing low pressure loss and high dirt capacity. SupaPleat B-Blue filters are Absolute rated to ensure reliable and consistent performance over a variety of process conditions. This makes these cartridges the ideal choice for a wide range of applications.

SupaPleat B-Blue cartridges are manufactured from polypropylene pleated depth media, end caps and internal support core. Thermal welding processes seal all components, eliminating adhesives and extractables and optimising cartridge integrity. In-house developments have optimised the pleat pack ensuring rigidity is maintained at all flow rates.



SupaPleat B-Blue cartridges feature:

- High surface area polypropylene media
- Extended life version available
- Wide chemical compatibility
- Special CRY Cryptosporidium grade designed for Food and Beverage applications

- All cartridges are thermally bonded and adhesive free
- Meets requirements on materials used for articles intended to come into contact with food as described in CFR Title 21, as well as the appropriate European guidelines
- Manufactured under strict control with batch number identification, giving full traceability on all components

Absolute Rated Filter Media

- Available in Absolute ratings from 0.5 to 50µm
- Consistent and reliable performance under a wide range of process conditions
- Beta 5000 rating

Filter Housings

Amazon Filters supplies both stainless steel and plastic housings for SupaPleat B-Blue filters. Please consult our Sales Office for further details on these ranges.

Features and Benefits

- High flow rates and long life help to minimise filtration costs
- High capacity filters means less filters to change-out
- Absolute removal ratings for consistent and reliable performance
- Available in numerous removal rating (0.5 - 50µm) so suitable for a wide range of applications
- PP - Wide chemical compatibility
- XP - Extended life version available for more challenging applications
- Cryptosporidium removal grade (CRY) with typical 10^4 log reduction value
- Full product validation guide available
- Manufactured under strict control with batch number identification, giving full traceability on all components

Industries and Applications

Food and Beverage
Pharmaceutical
Fine Chemicals
Water Treatment
Automotive
Oil & Gas
Power Generation

- Bottled water, Beers, Wines, Polishing lines, General clarification
- Solvent discharge, Raw water supplies, batch transfers
- Polymers, Acids, Bases, Solvents
- Pre reverse osmosis, UV protection, Resin and carbon trap
- Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints
- Water injection systems, Amine streams, Glycols
- Water treatment (boiler feed sweetening), return condensate lines

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SupaPleat B-Blue Technical Data

Dimensions

Outside Diameter:	117mm	
Typical Surface Area:	0.5µm:	1.8m ²
(Per 10")	CRY/1/5/10µm:	1.6m ²
	20µm:	1.2m ²
	50µm:	1.6m ²
	XP:	0.9m ²

Maximum Operating Conditions

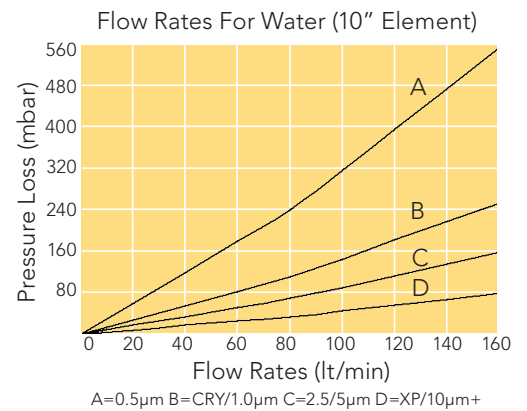
Temperature: 80°C

Recommended Maximum Differential Pressure:

Forward Flow: 4.0 Bar @ 20°C

Recommended change-out differential pressure: 2.5 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 B-Blue** cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

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