

SUPAPLEAT B-BLUE

AMAZON

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 wide range of process conditions. This makes these cartridges the ideal choice for a wide range of applications. **SUPAPLEAT B-BLUE** cartridges are manufactured from pleated polypropylene 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 melt blown polypropylene media
- 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

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.



SUPAPLEAT B-BLUE 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
- Wide chemical compatibility
- Available in numerous removal ratings (0.5 - 50µm) so suitable for a wide range of applications
- Cryptosporidium removal grade (CRY) with typical 10⁴ log reduction value
- Full product validation guide available
- Manufactured under strict control with batch number identification, giving full traceability on all components

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
Length:	See ordering guide

Maximum Operating Conditions

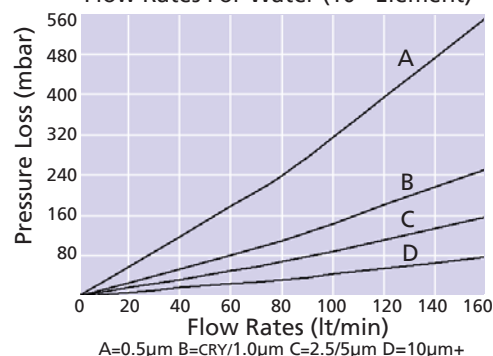
Temperature:	80°C
Recommended Maximum Differential Pressure:	
Forward Flow:	4.0 Bar @ 20°C

Materials of Construction

Filter Media:	Polypropylene
Cage, Core & End Caps:	Polypropylene

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.

Flow Rates For Water (10" Element)



ORDERING GUIDE

03				-				A	BB	
MEDIA	CORE/ASSEMBLY	MICRON RATING	LENGTH	CONNECTIONS	SEAL	OPTIONS				
P - Polypropylene	P - Polypropylene	CRY - Crypto 000 - 0.5µm 001 - 1.0 005 - 5.0 010 - 10 020 - 20 050 - 50	09 - 249mm 20 - 508	0 - DOE 3 - Code 3* ¹ X - Internal 'O' Ring* ²	B - Buna E - EPDM F - FEP/Silicone S - Silicone T - PTFE* ³ V - Viton	G - Glass filled end cap				

Example: 03PP005-20XEABB= Polypropylene media and core, 5µm rating, double length 508mm (20") long, Code X connection with EPDM seal.

*¹To fit 51 Series B-Blue Housing only *²To fit 28 Series only *³DOE Cartridge Only

For the full range of grades and media available please refer to the Sales Office

INDUSTRIES AND APPLICATIONS

Food and Beverage	• Bottled water, Beers, Wines, Polishing lines, General clarification
Pharmaceutical	• Solvent discharge, Raw water supplies, batch transfers
Fine Chemicals	• Polymers, Acids, Bases, Solvents
Water Treatment	• Pre reverse osmosis, UV protection, Resin and carbon trap
Automotive	• Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints
Oil & Gas	• Water injection systems, Amine streams, Glycols
Power Generation	• Water treatment (boiler feed sweetening), return condensate lines

AMAZON FILTERS LTD.

ALBANY PARK ESTATE, FRIMLEY ROAD,
CAMBERLEY, SURREY, GU16 7PG
ENGLAND

Tel: +44 (0) 1276 670 600

Fax: +44 (0) 1276 670 101

Email: sales@amazonfilters.co.uk

Web: www.amazonfilters.co.uk



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