

# 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<sup>4</sup> log reduction value
- Full product validation guide available
- Manufactured under strict control with batch number identification, giving full traceability on all components
- All individual packing bags are anti static

## Industries and Applications

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

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# SupaPleat B-Blue Technical Data

## Dimensions

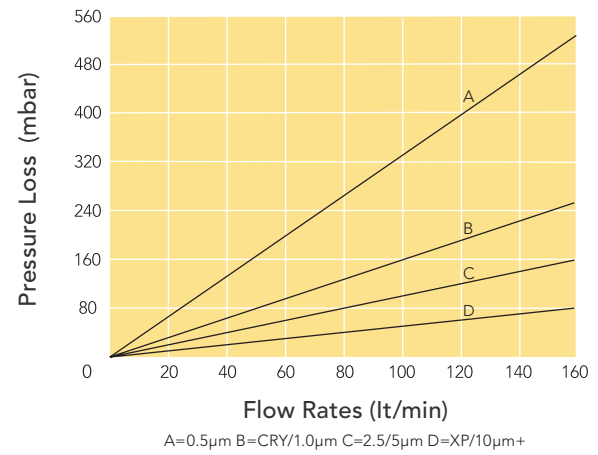
Outside Diameter:		117mm
Typical Surface Area:	0.5µm:	1.8m <sup>2</sup>
(Per 10")	CRY/1/5/10µm:	1.6m <sup>2</sup>
	20µm:	1.2m <sup>2</sup>
	50µm:	1.6m <sup>2</sup>
	XP:	0.9m <sup>2</sup>

## 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 Reinforced PP Core
@ 20°C	4.0	4.0
@ 50°C	1.5	4.0
@ 80°C	0.25	2.4

Flow Rates For Water (10" Element)



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.

## Ordering Guide

03P	P	005 -	20	X	E	ABB	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
03P - Polypropylene 03X - Extended Life PolyPropylene *4	P - Polypropylene	CRY - Crypto 000 - 0.5µm 001 - 1.0 005 - 5.0 010 - 10 020 - 20 035 - 35 050 - 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	A - Amazon	G - Reinforced Polypropylene End Cap

Example: 03PP005-20XEABB= Polypropylene media and core, 5µm rating, double length 508mm (20") long, Code X connection with EPDM seal.  
 \*1 To fit 51 Series B-Blue Housing only \*2 To fit 28 Series only \*3 DOE Cartridge Only \*\* Available for all Polypropylene micron ratings except the CRY.  
 For the full range of grades and media available please refer to the Sales Office

# AMAZON FILTERS LTD.

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