

# SUPAPLEAT FFC

## Large Diameter High Flow Filters



SupaPleat FFC filters are high surface area cartridges offering maximum efficiency and exceptionally high flow capabilities.

Developed to suit large scale processes where high performance is required, the filters incorporate advanced pleated depth media providing low pressure loss and high dirt capacity. This makes SupaPleat FFC cartridges the ideal choice for a wide range of applications.

These large diameter pleated cartridges are manufactured using either polypropylene or borosilicate glass microfibre depth media. The standard range has polypropylene end caps and internal support core.

Amazon Filters also offers cartridges manufactured with stainless steel cage and core and nylon end fittings. These are particularly suited for applications where higher temperature ratings are required or compatibility may be an issue.

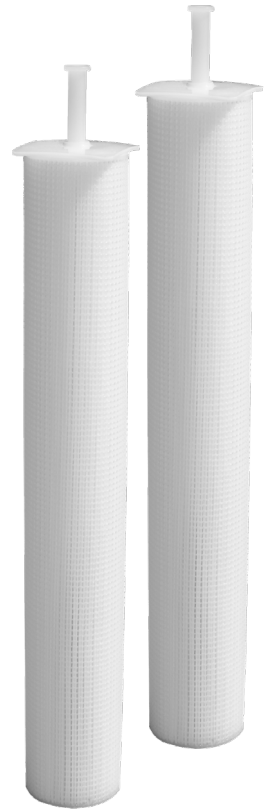
Thermal welding processes seal all components, eliminating adhesives and extractables and optimising cartridge integrity. In-house developments have optimised the pleat pack ensuring rigidity is maintained at all flow rates.

### Product Features

- High surface area polypropylene or glass fibre media operating in 'out to in' mode
- More robust stainless steel cage and core option available
- Nylon end caps option available
- Available with different connectors to allow retrofitting of existing high flow systems
- 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
- Extended life versions available

Amazon Filters manufactures a range of stainless steel and plastic housings for SupaPleat FFC cartridges including the 27 Series GRP Glass Reinforced Plastic housings with acetal fittings. This housing is particularly suited to brackish or seawater applications.

Please consult our Sales Office for further details on these ranges.



## Features and Benefits

- High flow rates and long life to minimise filtration costs
- Up to 60" length filters allow quick cartridge replacement
- Absolute removal ratings (Beta 5000) for consistent and reliable performance
- XP - Extended life version for more challenging applications
- Available in numerous removal ratings (0.5 - 90µm) so suitable for a wide range of applications
- Cryptosporidium removal grade (CRY) with typical 104 log reduction value
- Stainless steel cage and core and nylon end caps versions available for more aggressive processes

## 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 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         |



# SupaPleat FFC Technical Data

## Dimensions

Outside Diameter:	153mm
Core Diameter:	65mm
Typical Surface Area:	24PP: 7 – 9.3m <sup>2</sup>
	24GP: 6.2 – 6.7m <sup>2</sup>
	24XP: 5.3m <sup>2</sup>

## Maximum Operating Conditions

Temperature	24PP/PS:	80°C
	24PN:	100°C
	24GP/GS:	80°C

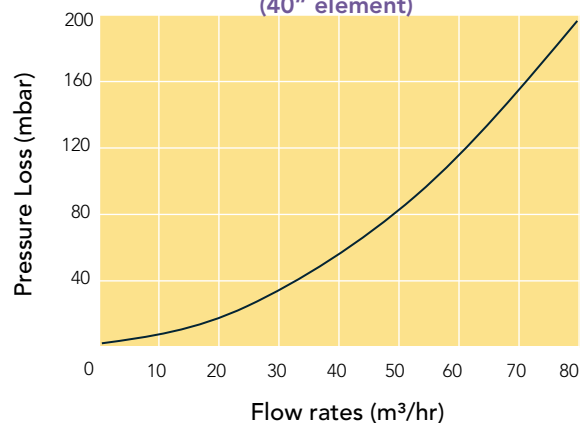
Recommended maximum differential pressure:

Forward Flow: 4.0 Bar @ 20°C

Recommended change-out differential pressure: 2.5 Bar

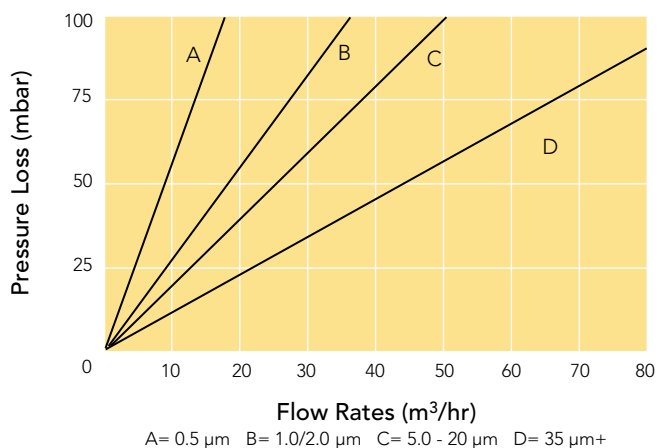
Product validation guide available on request. All SupaPleat FFC cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Fixed Pressure Drop Values for Cartridges (40" element)

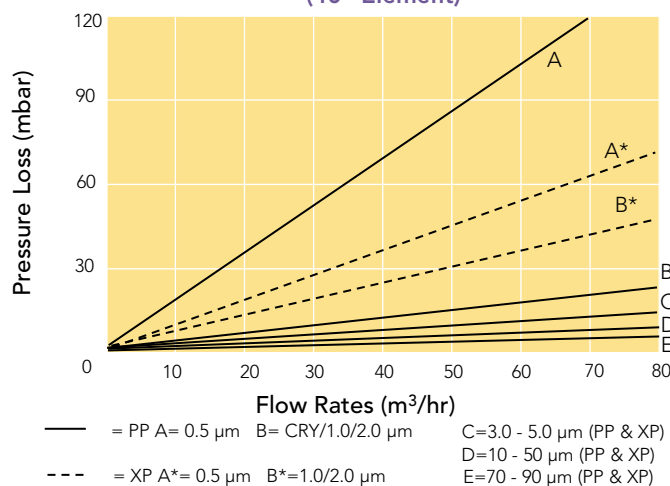


For total pressure drop values for final assembly add media pressure drop to fixed pressure drop

Flow Rates for Water – G Media (40" Element)



Flow Rates for Water - PP & XP Media (40" Element)



## Ordering Guide

24P	P	005 -	20	H	E	A
Media	Grade	Micron Rating (µm)	Length	End Caps	Seal	Branding
24P - Polypropylene 24G - Glass Microfibre 24X - Extended Life Polypropylene*1	P - Polypropylene S - Polypropylene End Caps, 304 St.St Core and cage*6 N - Nylon End Caps, 304 St.St Core and cage E - Polypropylene End Caps and Cage, 304 St.St Core*6	CRY - Crypto*2 000 - 0.5 001 - 1.0 002 - 2.0*3 003 - 3.0*2 020 - 20 035 - 35*2 040 - 40*2 050 - 50*2 070 - 70*2 090 - 90*2	<b>Code H/P</b> 20 - 502mm 40 - 1118mm 60 - 1521mm  <b>Code E</b> (3M Cuno 740 Series retrofit) 39 - 930mm  <b>Code F</b> (3M Cuno HF retrofit) 40 - 1118mm 60 - 1521mm  <b>Code G</b> (Pentair cartridge retrofit) 60 - 1521mm	H - Code H*4 P - Code P*5 E - Code E F - Code F G - Code G	B - Buna E - EPDM S - Silicone V - Viton	A - Amazon

Example: Example: 24PP005-20HEA = Polypropylene media and core, 5µm rating, single length 509mm (20") long, Code H connection with EPDM seal.

\*1 Available for all Polypropylene micron ratings except the CRY \*2 Polypropylene only \*3 Glass Microfibre media only

\*4 27 and 6601 Series housings only \*5 Multi-round 66 Series housings only \*6 304 St.St Core Standard when using End Cap option F

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