

SUPAPLEAT HFC



HIGH SURFACE AREA PLEATED CARTRIDGE



SUPAPLEAT HFC high surface area cartridges utilise pleated depth media offering maximum efficiency and exceptionally high flow capabilities. Developed to suit industrial processes where high performance is required, the low pressure loss and high dirt capacity makes it the ideal choice for fine polishing applications. In-house developments have optimised the pleat pack ensuring rigidity is maintained at all flow rates.

Two media options are offered as standard, the **PP** and **GP**. The **PP** features the specific CRY Cryptosporidium grade designed for Food and Beverage applications. All grades have all polypropylene end caps and internal support core. Thermal welding processes seal all components, eliminating adhesives and extractables and optimising cartridge integrity.

SUPAPLEAT HFC-PP cartridges feature:

- Melt blown polypropylene media
- Wide chemical compatibility
- Materials meet US FDA title 21 requirements
- CRY Cryptosporidium grade

SUPAPLEAT HFC-GP cartridges feature:

- Glass microfibre media
- Extremely high dirt holding capacity

Absolute Rated Filter Media

- Available from 0.5 to 90µm
- Consistent reliable performance

Product Features

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

- High surface area, resulting in low clean Δp and excellent dirt holding capacity
- 100% thermally welded construction for maximum integrity and strength, upto 1541mm (60")
- Internal support core for resistance to back pressure

Amazon Filters manufacture a comprehensive range of filter housings for the **SUPAPLEAT HFC** cartridges. Available in many materials and sizes to suit all flow rates, please consult our sales office for further details on our full range.



SUPAPLEAT HFC FEATURES AND BENEFITS

- Absolute removal ratings for consistent and reliable performance
- **PP**– Wide chemical compatibility using materials that meet FDA requirements
- **GP**– Glass microfibre media gives excellent dirt holding capacity
- Pleat geometry specifically designed for in-to-out flow direction
- Batch traceability
- Low maintenance – fewer number of cartridges
- Cryptosporidium grade (CRY) with typical 10^4 log reduction value for use in Food and Beverage applications

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

TECHNICAL DATA

Dimensions

Outside Diameter:	160mm
Core Diameter:	75mm
Typical Surface Area:	15PP: 8 -10.3m ²
(per 40")	15GP: 6.2 - 6.7m ²
Length:	See ordering guide

Maximum Operating Conditions

Temperature: 80°C

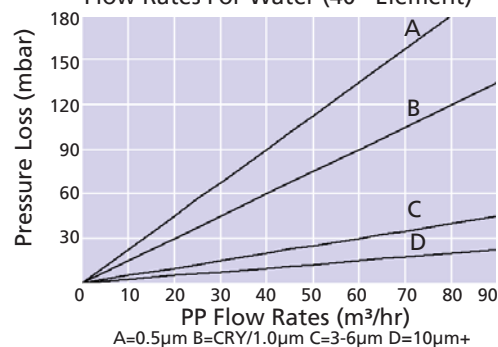
Recommended Maximum Differential Pressure: 1.5 Bar *1

Maximum ΔP	PP Media	GP Media
@ 20°C	3.4	3.4

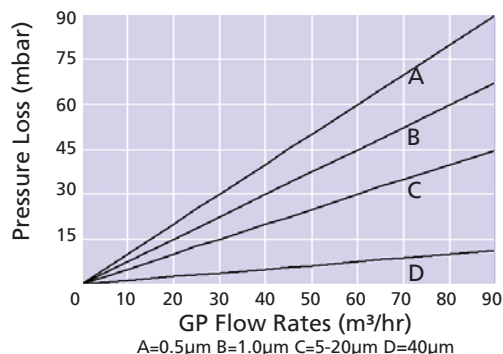
*1Amazon Filters recommend that **SUPAPLEAT HFC** cartridges be changed at a differential pressure of 1.5 bar in normal service - the operating conditions above should be treated as maximum differential pressures for short term use without causing cartridge collapse problems.

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

Flow Rates For Water (40" Element)



A=0.5 μ m B=CRY/1.0 μ m C=3-6 μ m D=10 μ m+



A=0.5 μ m B=1.0 μ m C=5-20 μ m D=40 μ m

ORDERING GUIDE

15 - **A**

MEDIA	CORE/ASSEMBLY	MICRON RATING	LENGTH	CONNECTIONS	SEAL	OPTIONS
G - Glass microfibre P - Polypropylene	P - Polypropylene	CRY - Crypto ^{*2} 000 - 0.5µm 001 - 1.0 002 - 2.0 ^{*3} 003 - 3.0 ^{*2} 004 - 4.5 ^{*2} 005 - 5.0 006 - 6.0 010 - 10 020 - 20 040 - 40 050 - 50 ^{*2} 070 - 70 ^{*2} 090 - 90 ^{*2}	20 - 527 40 - 1038 60 - 1541	C - Flange	B - Buna E - EPDM F - FEP/Silicone S - Silicone V - Viton	

Example: 15PP005-20CEA = Polypropylene media and core, 5µm rating, single length 527mm (20") long, C flange connection with EPDM seal.

*²Polypropylene media only *³Glass microfibre media only

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 trap
- Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints
- Water injection systems, Amine streams, Glycols
- 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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