

SUPAPLEAT HFC

AMAZON FILTERS LTD.

HIGH SURFACE AREA PLEATED FILTER 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 options are offered as standard, the PP and GP. Both feature all polypropylene internal and external support core and end caps.

SUPAPLEAT HFC - PP cartridges feature:

- Melt blown Polypropylene media
- Wide chemical compatibility
- Materials meet FDA requirements throughout

SUPAPLEAT HFC - GP cartridges feature:

- Glass microfibre media
- Extremely high dirt holding capacity

ABSOLUTE RATED FILTER MEDIA

- Available from 1 to 90µm
- Consistent reliable performance

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

- One piece support core up to 1538mm (60")
- High surface area, resulting in low clean Dp and excellent dirt holding capacity
- 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

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



TECHNICAL DATA

Material of Construction

	PP	GP
Filter Media:	Polypropylene	Glass Microfibre
Media Supprt:	Polypropylene	Polyester
End Caps:	Polypropylene	Polypropylene
Core:	Polypropylene	Polypropylene
Support Sleeve:	EVA	EVA

Dimensions

Outside Diameter: 150mm (6")
 Inside Diameter: 70mm

Maximum Operating Conditions

Recommended Δp 1.5 bar @ 20° C
 Maximum Δp 4.0 bar @ 20° C
 Temperature: 60° C

Typical surface area in m² per cartridge

Media / Length	20"	40"	60"
PP	4.5	9.0	13.5
GP	3.5	7.0	10.5

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

ORDERING GUIDE

15						
MEDIA	CORE/ASSEMBLY	MICRON RATING	Length	CONNECTIONS	SEAL	P
G - Glass Microfibre P - Polypropylene	P - Polypropylene	001 - 1.0 μm 002 - 2.0 μm 003 - 3.0 μm 004 - 4.5 μm 005 - 5.0 μm 006 - 6.0 μm 010 - 10 μm 020 - 20 μm 040 - 40 μm 050 - 50 μm 070 - 70 μm 090 - 90 μm	20 - 527mm 40 - 1038mm 60 - 1538mm	C - Flange	B - Buna-N E - EPDM F - FEP/Silicone S - Silicone V - Viton	

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

INDUSTRIES AND APPLICATIONS

- Food and Beverage** • Bottled water, Beers, Wines, Flavours, Polishing lines, General clarification
- Pharmaceutical** • Solvent discharge, Raw water supplies, batch transfers
- Fine Chemicals** • Polymers, Acids, Bases, Solvents
- Cosmetics** • Alcohol, Essential oils, Mouthwash solutions
- Metal Finishing** • Plating solutions, Wash solutions
- Water Treatment** • Pre reverse osmosis, UV protection, Resin trap
- Automotive** • Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints

The manufacturer reserve the right to change specification without prior notice, as part of their continuous product development programme. 03SupaPleatHFC/Sept 04