

# SUPAPLEAT HFC

AMAZON

## 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 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  $\Delta p$  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

SUPAPLEAT HFC

## TECHNICAL DATA

### Dimensions

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

### Maximum Operating Conditions

Temperature: 80°C

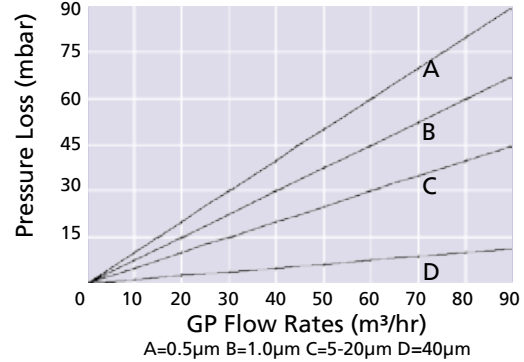
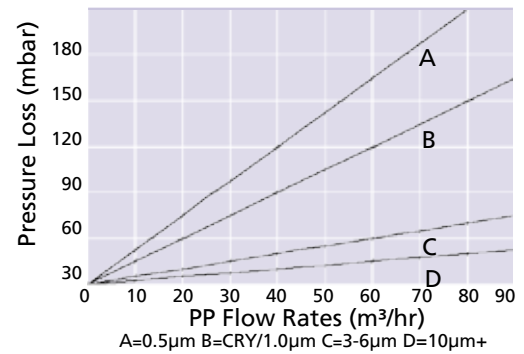
Recommended Maximum Differential Pressure: 1.5 Bar \*1

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

\*1 Amazon Filters recommend that SUPAPLEAT HFC cartridges are 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)



## 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

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