



Food and Beverage

Fuente Colloids Filter Cartridges for colloid removal from water

The latest development for highly effective particulate colloid removal from water.

Description

The Fuente Colloids filter cartridge is designed to remove colloidal matter from process water used in the beverage industry.

The filter membrane provides increased dirt holding capacity when compared to melt blown depth-style media improving the service life of downstream final filters, thus reducing average filtration running costs by 20 %. The polyethersulfone media allows repeated cold chemical sanitization cycles which improves filtration costs.

Features and Benefits

Features	Benefits
Asymmetric polyethersulfone media	<ul style="list-style-type: none"> • High dirt holding capacity • Broad chemical compatibility • Suitable for repeated sterilization or sanitization for economical operation

Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO 9001:2008 certified Quality Management System

Food Contact Compliance

Please refer to the Pall website <http://www.pall.com/foodandbev> for a Declaration of Compliance to specific National Legislation and/or Regional Regulatory requirements for food contact use.



Fuente Colloids Filter Cartridges

Materials of Construction

Filter Media	Hydrophilic Polyethersulfone (PES)
Support and Drainage	Polypropylene
Cage	Polypropylene
Core, End Cap and Fin End	Polypropylene
Adaptor	Polypropylene with internal stainless steel reinforcing ring
O-ring Seal	Silicone Elastomer

Nominal Filtration Area

- Filtration area per 254 mm (10") module 0.6 m² (6.5 ft²)

Operating Conditions

Maximum Differential Pressure

4.8 bar (70 psid) up to 40 °C (104 °F) – forward

3 bar (45 psid) up to 80 °C (176 °F) – forward

Typical Flow Rates

20 L/min @ 70 mbar (5.2 USgpm @ 1 psid)

For assistance in filter assembly sizing and housing selection, contact your local Pall Distributor or Pall Corporation directly

Sanitization / Sterilization¹

Media	Temperature	Maximum Cumulative Time	Number of Cycles (20 minutes cycles)
Steam ²	110 °C (230 °F)	30 hours	90
Hot Water	85 °C (185 °F)	30 hours	90
Standard disinfection			
320 ppm ³	20 °C (65 °F)	–	–

¹Determined under laboratory conditions. Users should verify suitability against their own conditions of use.

²At differential pressure: 0.3 bar (4.35 psid) in forward direction.

³Total peroxides concentration.

Ordering Information

This is a guide to the Part Numbering structure only, for availability of specific options, please contact Pall.

Part Number: AB  FSC  W S

Example Part Number: **AB1FSC7WS**

See bold reference codes in tables.

Table 1: Nominal Length

Code	Length
1	254 mm (10")
2	508 mm (20")
3	762 mm (30")
4	1016 mm (40")

Table 2: Adaptor

Code	Description
3	SOE – single open end with flat closed end and external 222 O-rings
7	SOE – single open end, fin end, 2 locking tabs and external 226 O-rings
8	SOE – single open end with fin end and external 222 O-rings
28	SOE – single open, fin end with 3 locking tabs and external 222 O-rings



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Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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