

The latest development for fine colloids removal for the bottled water industry.

Description

Fuente Bottled Water filter cartridges are designed to remove fine colloids from bottled water prior to bottling.

This filter cartridges incorporate the proprietary Ultipleat® technology which provides increased mechanical strength, filter area and enables exposure to repeated hot water and steam sanitization cycles resulting in longer service life.

The double layer construction of polyethersulfone membranes allows increased dirt holding capacity and compatibility. This allows repeated demanding cold chemical sanitization cycles which improves filtration costs.

Features and Benefits

Features	Benefits
Asymmetric polyethersulfone pre-filter membrane	<ul style="list-style-type: none"> • High dirt holding capacity • Broad chemical compatibility • Qualified to stand up to demanding disinfection conditions
Double layer construction in Polyethersulfone	<ul style="list-style-type: none"> • Extended filter service life • Reliable, consistent and verifiable filtration performance
Ultipleat construction	<ul style="list-style-type: none"> • Increased surface area and mechanical strength

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.

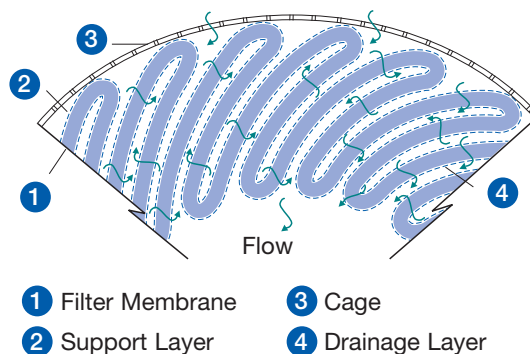
Quality

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

Fuente Bottled Water Filter Cartridges for fine colloids removal



Fuente Bottled Water Filter Cartridges



Proprietary Ultipleat technology provides increased surface area and extreme robustness.

Materials of Construction

Pre-filter Membrane	Hydrophilic polyethersulfone (PES)
Final Membrane	Hydrophilic polyethersulfone (PES)
Support and Drainage	Polypropylene
Cage	TiO ₂ filled polypropylene
Core, End Cap and Fin End	Polypropylene
Adaptor	Polypropylene with a stainless steel reinforcing ring
O-ring Seal	Silicone Elastomer

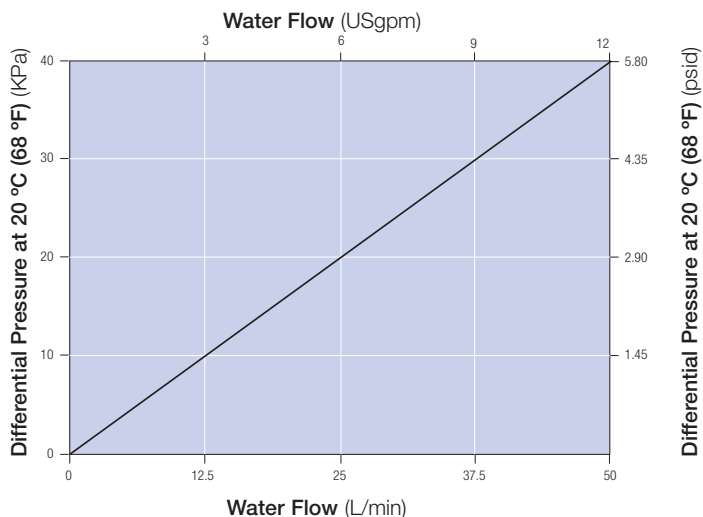
Nominal Filtration Area

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

Operating Conditions

Maximum Differential Pressure
 5.5 bar up to 40 °C (104 °F) – forward
 4 bar up to 80 °C (176 °F) – forward

Typical Flow Rates



Typical initial clean media differential pressure (Δp) per 254 mm (10") cartridge for water at 20 °C (68 °F) ; viscosity 1 centipoise. For 508 mm (20"), 762 mm (30") and 1016 mm (40") configurations divide the differential pressure by 2, 3 and 4 respectively. Please contact Pall for assistance in filter assembly sizing and housing selection.

Sanitization / Sterilization¹

Media	Temperature	Maximum Cumulative Time	Number of Cycles (20 minutes cycles)
Steam ²	125 °C (257 °F)	30 hours	90
Steam ²	110 °C (230 °F)	50 hours	150
Hot Water	85 °C (185 °F)	50 hours	150
Total Peroxides			
1600 ppm	20 °C (65 °F)	2000 hours	6000
9600 ppm	20 °C (65 °F)	100 hours	300

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

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

Ordering Information

This is a guide to the Part Numbering structure only.

For specific options, please contact Pall.

Example Part Number: **AB1FEKV7WH4**

See bold references codes in table.

Part Number: **AB** **FEKV** **W H4**
Table 1 Table 2

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
7	SOE - Single open end, fin end with 2 locking tabs and external 226 O-rings
8	SOE - Single open end, fin end with external 222 O-rings
28	SOE - Single open end, 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.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid. Products in this document may be covered by one or more of the following patent numbers: EP 667,800; EP 982,061; EP 1,380,331; EP 1 656 193; US 5,543,047; US 5,690,765; US 5,725,784; US 6,113,784; US 7,083,564; US 7,318,800.

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