



Fuente Filter For Beverage Applications

Description

The Fuente water filter is designed to meet the highest requirements of water bottlers for removal of particles, cysts, oocysts and bacteria in water filtration applications. It is a validated, 0.2 μm polyethersulfone membrane filter utilizing the unique Ultipleat® construction. Fuente filters last longer and provide high water quality at the lowest cost of ownership.

Customer Benefits

- Excellent Water Quality
- Extended Filter Life
- Validated Performance
- Multiple Autoclave Cycles Tolerant
- Greater Differential Pressure Tolerant
- Small Footprint
- No Liquid Waste Discharge
- Lower Filtration Costs



Filter Cartridges



Housings

Features

- Patented Ultipleat Construction – Greater Filter Area and Higher Production Per Unit Footprint
- Filtration Media – Supor® Polyethersulfone
- 0.2 μm Membrane
- Built in Asymmetric Prefilter Layer for Longer Life and Lower Filtration Costs
- Differential Pressure Tolerant – 1 bar (14.5 psi) During Steam in Place

Quality Standards

- Validated with *Brevundimonas diminuta* (ATCC 19146) at $10^7/\text{cm}^2$
- Manufactured Under a Quality Management System Certified to ISO 9001:2000
- Tested to Meet EEC Directive 2002/72/EC
- Materials Per 21 CFR: 170-199

Filter Specifications

Materials of Construction

Membranes	Hydrophillic Polyethersulfone (PES)
Support Drainage	Polypropylene
Core/Cage End Caps	Polypropylene, TiO ₂
O-rings	Silicone Elastomer (standard)
Sealing Technology	Thermal Bonding, No Adhesives
Adaptor (Code 7)	Polypropylene with Stainless Steel Reinforcing Ring

Nominal Filter Dimensions

Filtration Area	0.6 m ² (6.5 ft ²) per 10" module
Outer Diameter	2.75" (70 mm)
Lengths Available	10" (254 mm); 20" (508 mm); 30" (762 mm); 40" (1016 mm)

Operating Parameters*

Clean Water Flow ¹	12.5 L/m (2.61 gpm) at 100 mbar (1.45 psi) differential pressure per 10"
Maximum Differential Pressure (to 40°C)	5.5 bar up to 104°F (40°C) (forward)
Maximum Differential Pressure (to 80°C)	4 bar up to 176°F (80°C) (forward)
Maximum Steam Sterilization Temperature ²	287°F (142°C)
Maximum Hot Water Sanitization Temperature	185°F (85°C)
Chemical Sanitization	PAA (320 ppm total peroxides – 1000 hr)

* Applies to fully compatible fluids which do not soften, swell or adversely effect the product or its materials of construction.

¹ Typical performance with water at 68°F (20°C) (1cP) on a new filter in laboratory test.

² On wetted filters with slow exhaust.

Part Numbers/Ordering Information

AB ● FF ■ W ◆

Code ●	Cartridge Lengths (nominal)
1	10" (254 mm)
2	20" (508 mm)
3	30" (762 mm)
4	40" (1016 mm)

Code ■	Cartridge Style
7	SOE Fin End, External 226 O-rings
3	SOE Flat End External 222 O-rings
8	SOE Fin End External 222 O-rings

Code ◆	O-ring Material
H4	Silicone elastomer
J	EPDM elastomer



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