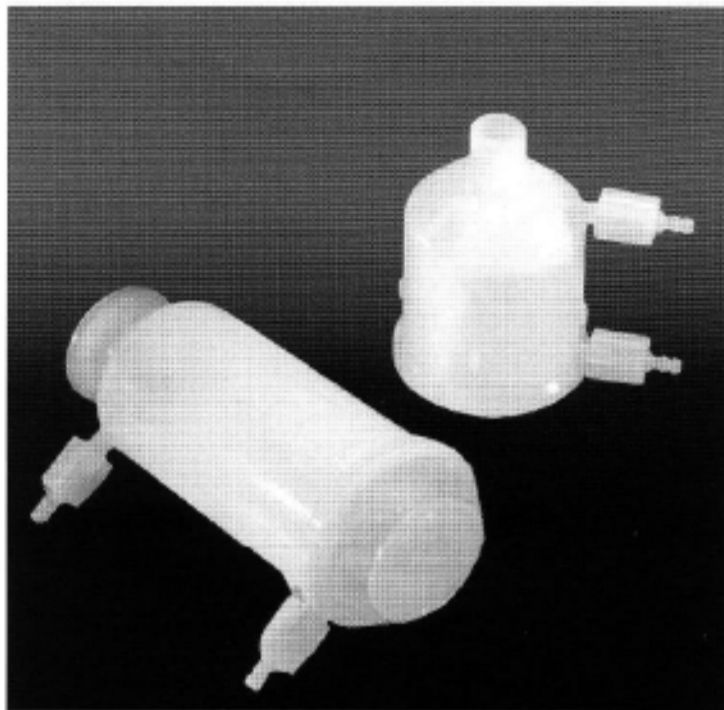


FULFLO® II CRYPTO CAPSULE

Pleated PES capsules for cryptosporidium removal from water



Fulflo II Crypto PES provides absolute retention of *Cryptosporidium parvum* oocysts to meet the specific needs of the food and beverage and potable water industries.

Its membrane has an asymmetrical pore structure with a high voids volume which offers greater retention capacity higher throughputs and higher flow rates than conventional membranes.

The microporous membrane is inherently hydrophilic and can be integrity tested repeatedly, providing a valuable quality assurance tool that fits well into a HACCP framework.

BENEFITS

- Specifically developed for the removal of *Cryptosporidium parvum* oocysts
- 1.0-micron absolute-rated polyethersulfone membrane
- High throughputs and flow rates
- Repeatedly integrity testable
- Can be repeatedly steam sterilized or chemically sanitized
- 100% retention of cryptosporidium oocysts

APPLICATIONS

- Food and beverage
- Potable water

SPECIFICATIONS

Materials of Construction:

Filtration Membrane	Polyethersulfone
Prefilter and Support Layer	Polyester
Protection Core	Polypropylene

Food and Biological Safety:

Materials conform to the relevant requirements of 21CFR Part 177 and current USP Plastics Class VI – 121°C and ISO10993 equivalents. Cryptoclear PLUS is listed in the Water Fittings and Materials Directive Part II as a WRAS* Approved Product.

* WRAS – Water Regulations Advisory Scheme BS6920 Test of Effect on Water Quality.

Retention Characteristics:

The removal efficiencies of Fulflo II Crypto PES cartridges have been determined from tests conducted by Thames Water Utilities Limited on live *Cryptosporidium* oocysts.

Recommended Operating Conditions:

Up to 158°F (70°C) continuous operating temperature and higher short-term temperatures during CIP to the following limits: Capsules may be operated up to a temperature of 104°F (40°C) at line pressure up to 5.0 bar (73 psig) for gas applications.

Cleaning and Sterilization:

Capsules can be repeatedly autoclaved up to 266°F (130°C). They can be sanitized with hot water at up to 194°F (90°C) and are compatible with a wide range of chemicals.

For detailed operational procedures and advice on cleaning and sterilization, please contact Technical Services.

Integrity Test Data:

All filters are flushed with purified water prior to shipment. They are integrity testable to the following limits.

Micron Rating	Diffusional Flow		Max. Diffusional Flow	
	Test Pressure		(ml/min)	
	barg	psig		
1.0	0.6	9	10"	21.0
			K	9.8
			A	8.0
			B	3.9
			E	1.8

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PERFORMANCE ATTRIBUTES

Temperature		Maximum Forward Δp	
°F	°C	(bar)	(psi)
68	20	5.0	73
104	40	4.0	58

ORDERING INFORMATION

ZECS - **100** - **BN3**

Nominal Length	
CODE	LENGTH (mm)
E	4.4" (113)
B	5.5" (140)
A	7.9" (200)

Inlet	
CODE	CONNECTION TYPE
T	1" Tri-Clamp
N	1/2" NPT Male
H	1/2" Hose barb
G	Stepped Hose barb
M	1/4" NPT Male

Outlet	
CODE	CONNECTION TYPE
T	1" Tri-Clamp
N	1/2" NPT Male
H	1/2" Hose barb
G	Stepped Hose barb
M	1/4" NPT Male

Supplied in packs of 3

TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to PAFsales@parker.com. For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

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