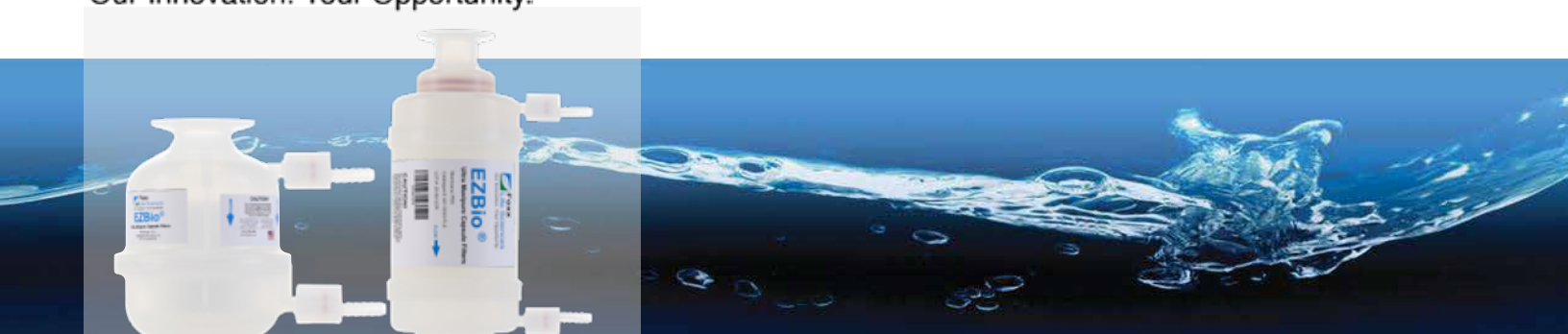




Key Features:

- Provides sterile retention of airborne microorganisms while preventing liquid intrusion
- Pleated PTFE structure maximizes surface area to support high gas throughput and efficient venting
- Offered in a wide range of effective filtration areas, from 1.27 ft² (0.12 m²) to 30.03 ft² (2.79 m²), to suit your application needs.
- Double layered filter membrane for reducing clogging and extending filter life
- Filters are autoclavable up to 20 times
- Materials comply with USP Class VI standards
- Made In USA

Applications:

- Buffer preparation
- Cell culture media preparation, protein purification
- High-purity chemical filtration
- Sample preparation



Foxx Life Sciences' EZBio® Ultra Capsule Filters with PTFE membrane are pre-assembled, enclosed filtration devices. These PTFE cartridges have optimized flow rates with absolute and reliable particles and microorganism retention.

Our Capsule filters feature high grade, double-layered Polytetrafluoroethylene (PTFE) membrane, with bacterial retention rate up to 0.2µm. PTFE cartridges are tested for extremely low extractables. These membranes are engineered for the filtration of process fluids that require a high degree of particle retention or constant bacterial barrier for effective sterilization. This unique combination of features positions them as one of the most reliable and economical PTFE membranes in the market.

Available with a variety of inlet/outlet configurations—including hose barbs, female NPT, and sanitary connections—these capsule filters are suitable for a wide range of bioprocessing applications. They are designed to operate at pressures up to 5.5 bar (80 psi), making them ideal for critical filtration tasks in pharmaceutical, biotechnology, and industrial processes.





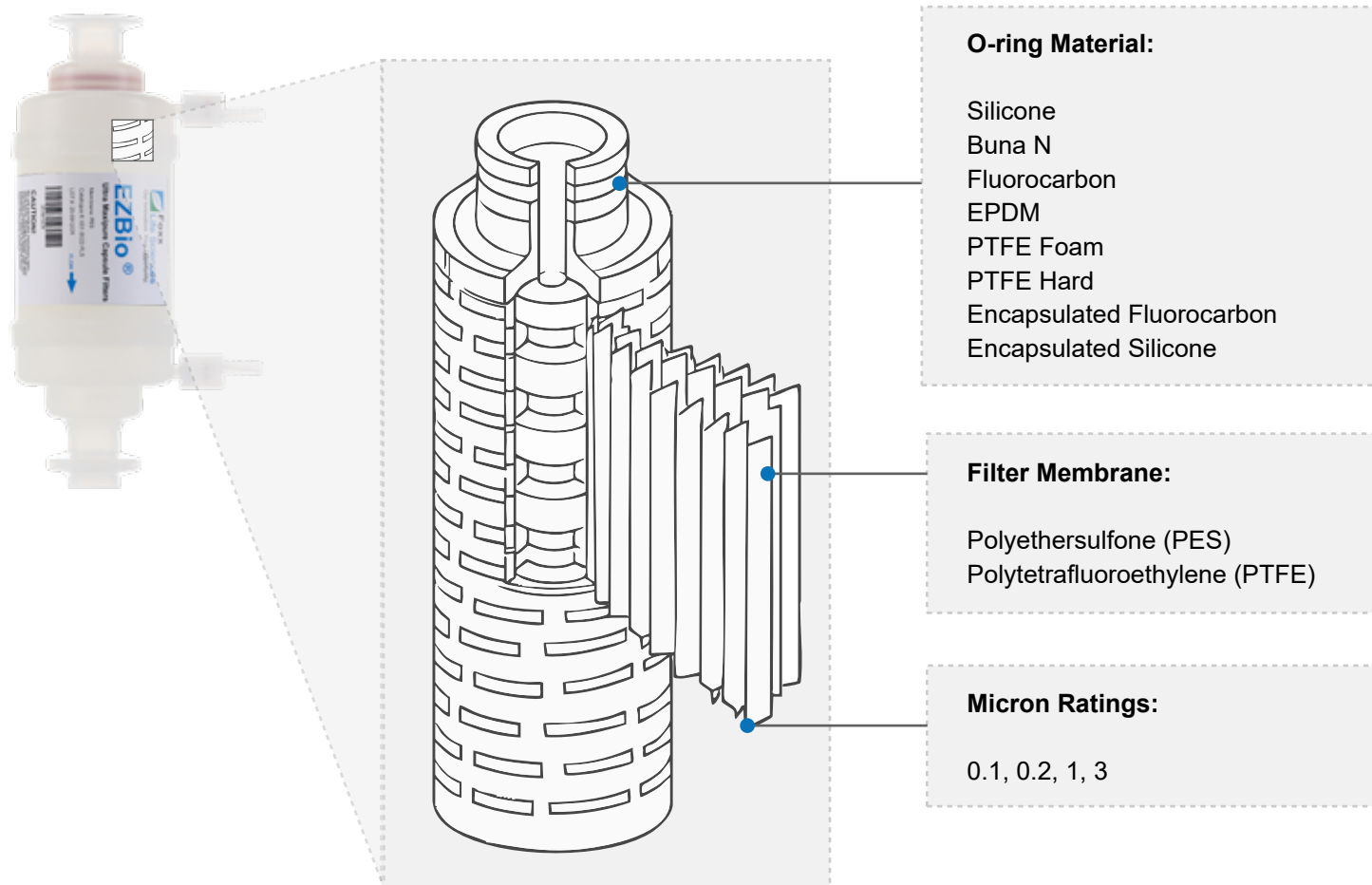
Technical Specifications			
Ultrapure water extracts from multiple lots of cartridges were tested and shown to have values that comply with USP limits			
USP Physicochemical Tests for Plastics			
Test	Results	USP Limit	
Non-Volatile Residue	0.5 mg	15 mg	
Heavy Metals	<1 ppm	1 ppm	
Residue on Ignition	Waive Pass*	5 mg	
Buffering Capacity	0.2 mL	10 ml	
* Waive Pass is assigned when the Non-Volatile Residue is 5 mg or less indicating the Residue on Ignition will be 5 mg or less.			
Maximum Differential Pressure			
Forward:			
75 psid (5.1 bar) at 75°F (24°C)			
40 psid (2.8 bar) at 180°F (82°C)			
Reverse:			
50 psid (3.4 bar) at 75°F (24°C)			
Maximum Operating Temperature			
180°F (82°C) Continuous Duty			
Toxicity			
Cartridge materials meet USP Class VI and CFR 21 for food and beverage			
Sterilization			
Steam or Autoclavable: 20 times for 60 minutes at 257°F (125°C) and ≤3 psi.			
Integrity Testing			
Diffusive Flow Integrity Test			
Size	Wetting Fluid	Test Pressure	Air Diffusion
2"	IPA	14 psi	4.6 mL/min
4"	IPA	14 psi	8.3 mL/min
5"	IPA	14 psi	10 mL/min
10"	IPA	14 psi	25 mL/min
20"	IPA	14 psi	50 mL/min
30"	IPA	14 psi	75 mL/min
40"	IPA	14 psi	75 mL/min



EZBio® Ultra Capsule Filters - PTFE Ordering Information:

0.2 μ m pore size	Height	Effective Area	Connector Configuration
652-S000-FLS	2"	1.27 ft ² (0.12 m ²)	0.25" Hose Barb
652-S001-FLS	2"	1.27 ft ² (0.12 m ²)	0.375" Hose Barb
652-S003-FLS	2"	1.27 ft ² (0.12 m ²)	0.5" Hose Barb
652-S004-FLS	2"	1.27 ft ² (0.12 m ²)	0.75" Sanitary (mates also with 0.5")
652-S005-FLS	2"	1.27 ft ² (0.12 m ²)	1" Sanitary (mates also with 1.5")
652-S010-FLS	4"	2.32 ft ² (2.32 m ²)	0.25" Hose Barb
652-S011-FLS	4"	2.32 ft ² (2.32 m ²)	0.375" Hose Barb
652-S013-FLS	4"	2.32 ft ² (2.32 m ²)	0.5" Hose Barb
652-S014-FLS	4"	2.32 ft ² (2.32 m ²)	0.75" Sanitary (mates also with 0.5")
652-S015-FLS	4"	2.32 ft ² (2.32 m ²)	1" Sanitary (mates also with 1.5")
652-S020-FLS	5"	3.75 ft ² (0.35 m ²)	0.25" Hose barb
652-S022-FLS	5"	3.75 ft ² (0.35 m ²)	0.5" Female NPT
652-S023-FLS	5"	3.75 ft ² (0.35 m ²)	0.5" Hose Barb
652-S025-FLS	5"	3.75 ft ² (0.35 m ²)	1" Sanitary (mates also with 1.5")
652-S026-FLS	5"	3.75 ft ² (0.35 m ²)	Stepped Hose barb (0.25"/0.375"/0.5")
652-S030-FLS	10"	7.5 ft ² (0.70 m ²)	0.25" Hose barb
652-S032-FLS	10"	7.5 ft ² (0.70 m ²)	0.5" Female NPT
652-S033-FLS	10"	7.5 ft ² (0.70 m ²)	0.5" Hose Barb
652-S035-FLS	10"	7.5 ft ² (0.70 m ²)	1" Sanitary (mates also with 1.5")
652-S036-FLS	10"	7.5 ft ² (0.70 m ²)	Stepped Hose barb (0.25"/0.375"/0.5")
652-S040-FLS	20"	15 ft ² (1.40 m ²)	0.25" Hose barb
652-S042-FLS	20"	15 ft ² (1.40 m ²)	0.5" Female NPT
652-S043-FLS	20"	15 ft ² (1.40 m ²)	0.5" Hose Barb
652-S045-FLS	20"	15 ft ² (1.40 m ²)	1" Sanitary (mates also with 1.5")
652-S046-FLS	20"	15 ft ² (1.40 m ²)	Stepped Hose barb (0.25"/0.375"/0.5")
652-S050-FLS	30"	22.5 ft ² (2.09 m ²)	0.25" Hose barb
652-S052-FLS	30"	22.5 ft ² (2.09 m ²)	0.5" Female NPT
652-S053-FLS	30"	22.5 ft ² (2.09 m ²)	0.5" Hose Barb
652-S055-FLS	30"	22.5 ft ² (2.09 m ²)	1" Sanitary (mates also with 1.5")
652-S056-FLS	30"	22.5 ft ² (2.09 m ²)	Stepped Hose barb (0.25"/0.375"/0.5")
652-S060-FLS	40"	30 sq.ft (2.79 m ²)	0.25" Hose barb
652-S062-FLS	40"	30 sq.ft (2.79 m ²)	0.5" Female NPT
652-S063-FLS	40"	30 sq.ft (2.79 m ²)	0.5" Hose Barb
652-S065-FLS	40"	30 sq.ft (2.79 m ²)	1" Sanitary (mates also with 1.5")
652-S066-FLS	40"	30 sq.ft (2.79 m ²)	Stepped Hose barb (0.25"/0.375"/0.5")

Capsule Filter Customization Options:



*Contact Foxx Life Sciences Sales to discuss custom cartridge and capsule filter solutions tailored to your process requirements.