

HixCap® PES

Filtering capsules with a pleated area of 0.2m² that have a much greater throughput than the general filter. Suitable for filtering water, acids, aqueous and organic solutions.

Especially used for laboratory applications such as purified and sterile water, culture media, buffers, etc., as well as productive batches.

Specifications

Features

Filtration area: 0.195m² per 5"

Connection adapter: I/O single stepped hose barb ½" and Sanitary TriClamp 1.5"

Size: 5" and 10"

Materials

Membrane: Polyethersulfone (PES)

Housing: Polypropylene – including vent valve

Pore Sizes (µm)

Single layer: 0.2 and 0.45

Double layer: 0.2+0.45

Biological Safety

All materials used have passed the USP(88) requirements for Class VI-121°C biological safety testing of plastics and USP(87) requirements for in-vitro testing of cytotoxicity.

Indirect Food Additive

The membrane used in the filter meets the FDA Indirect Food Additive requirements cited in 21 CFR 177.2910. All other material components also meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182.



Bacterial Retention

LRV≥7 for bacterial challenge under ASTM F 838-05

Brevundimonas diminuta is for 0.2µm

Serratia marcescens is for 0.45µm

Max. Allowable Differential Pressure

3.5 bar at 25°C

1.0 bar at 50°C

Cleanliness

The filter meets the USP requirements on particle matters of injection and meets the 21 CFR 210.3(b)(6) criteria of no fiber releasing.

Sterilization

Autoclaving at 121°C, 30 min, 2 bar, min 15 cycles.

SIP not recommended.

Ordering Information

Name		Filter Media		Type		Pore Size		Size		Connection	
HC		PE		A		02		05		HB	
HC	HixCap	PE	PES	A	Absolute	24	0.2µm + 0.45µm	05	5"	HB	Hose Barb ½"
						02	0.2µm	10	10"	TC	TriClamp
						04	0.45µm				