

HixCap® 600 PES

Filtering capsules with a pleated area of 600cm² 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 small productive batches.

Specifications

Features

Filtration area: 570cm²

Connection adapter: I/O multiple stepped hose barb

Sizes: 2.5"

Materials

Membrane: Asymmetric Polyethersulfone (PES)

Housing: Polypropylene – including vent valve

Pore Sizes (µm)

Single layer: 0.1, 0.2, 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

Alcholeplasma laidlawii for 0.1µm

Brevundimonas diminuta is for 0.2µm

Serratia marcescens is for 0.45µm

Integrity Test (at 23°C)

	Bubble Point	Diffusive Flow
0.1µm	≥ 3.4 bar	≤ 52ml/min at 3 bar
0.2µm	≥ 3.2 bar	≤ 4ml/min at 2.5 bar
0.45µm	≥ 2.3 bar	≤ 2.5ml/min at 1.7 bar

Max. Allowable Differential Pressure

Δp 5.5bar at 0-38°C

Δp 4.1 bar at 66°C

Δp 2.1 bar at 82°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.

For sterile products: 121°C, 30 min, 2bar, min 3 cycles.

SIP not recommended.

Ordering Information

Name		Filter Media		Type		Pore Size		Size		Connection	
HC		PE		A		02		03		HB	
HC	HixCap	PE	PES	A	Absolute	24	0.2µm + 0.45µm	03	2.5"	HB	Hose Barb
						02	0.2µm				
						04	0.45µm				

