

HixCap® 150

Filtering capsules with a pleated area of 150cm² that have a much greater throughput than the general filter. Suitable for filtering water, acids, alkalis, aqueous and organic solutions. Especially used for laboratory applications such as purified and sterile water, and small productive batches.

Specifications

Features

Provides a large 150cm² filtration area.
Inlet 1/4" NPT-Male Thread.
Outlet 7-13mm stepped hose barb connection.
Different membrane types to meet different application needs.

Materials

Membrane: PES or NY66 for aqueous solutions with pH 6-13 and most organic solutions.

Housing: Polypropylene. Includes vent valve with PTFE barrier and bell for sterile applications.

Pore Sizes

PES 0.1µm
PES 0.2µm
NY66 0.2µm
NY66 0.2µm + 0.45µm

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

3.0 bar at 25°C
1.5 bar at 50°C

Sterilization

Autoclaving at 134°C, 30 min, 2 bar, min. 5 cycles.
SIP not recommended.



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.

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.

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.

Integrity Test (at 23°C)

	Bubble Point	Diffusive Flow
PES 0.1µm	3.4 bar	1.3 ml/min at 4 bar
PES 0.2µm	3.2 bar	1 ml/min at 2.5 bar
NY66 0.2µm	2.8 bar	0.4 ml/min at 2.5 bar
NY66 0.2µm + 0.45µm	2.8 bar	0.4 ml/min at 2.5 bar

Typical Liquid Flow Rate at 0.5 bar

PES 0.2µm: 90l/hr
PES 0.1µm: 60l/hr
NY66 0.2µm: 70l/hr

Ordering Information

Name		Filter Media		Type		Pore Size		Size		Connection	
HC		PE		A		2		2		NPT	
HC	HixCap	PE	PES	A	Absolute	1	0.1µm	2	150cm ²	NPT	NPT / Hose barb
		NY	Nylon 66			2	0.2µm				
						24	0.2µm + 0.45µm				

HIXWER ARGENTINA S.A.
Benito Lynch 479
CP 1618, Troncos del Talar
Buenos Aires, Argentina
+54 11 7078 6666

HIXWER COMPANY S.A.
Rincón 610
Piso 4to – Oficina 410
CP 11000, Ciudad Vieja
Montevideo, Uruguay

info@hixwer.com
www.hixwer.com

