

ClariCap GS Hydrophilic PES Membrane Inline Capsule Filters

mdi ClariCap GS are lab scale capsule filters are ready to use, disposable filtration devices. These are specially designed filters incorporating a microglassfiber and a downstream Polypropylene membrane final layer and are used as pre-filters in biopharmaceuticals process development for difficult to filter solutions.

The microglassfiber layer offers high dirt holding capacity and efficient retention of colloidal particles to give clear downstream in case of difficult to filter turbid solutions. The downstream Polypropylene layer prevents fiber release into the downstream.

The 50 mm devices incorporate a vent to ensure easy removal of entrapped air in the upstream tubing.



Quality Assurance

These filter devices are manufactured in class 10,000 clean rooms under ISO 9001 certified quality management systems and are deeply validated to meet compendia and regulatory requirements.

Applications

- Precipitate removal post viral inactivation
- Pre-filtration of cell culture media
- Pre-filtration of serum and other viscous biologicals
- Pre-filtration of serum solutions
- Clarification of cell harvest supernatants
- Pre-filtration of protein solutions
- Pre-filtration of high value difficult to filter drug solutions
- Pre-filtration of difficult to filter small volume parenterals
- Polishing of turbid solutions

Specifications

Construction		
Pore Size	0.7µm, 1µm, 1.5µm, 2µm	
Filter media	Microglassfiber	
Downstream Layer	Polypropylene	
Support Layers	Polypropylene	
Body and Core	Polypropylene	
Size		
Size	25 mm	50 mm
Effective Filtration Area (Nominal)	5 cm ²	20 cm ²
Operational		
Max. Operating Temperature	60 °C	
Max. Differential Pressure	42 psi (3 Kg/cm ²) @ 30 °C	
Sterilization	By Gas	Sterilizable by Ethylene Oxide
	By Autoclave	Autoclavable at 125 °C for 30 minutes. Can not be in-line steam sterilized
Assurance		
Toxicity	Passes Bioreactivity Test, <i>In Vivo</i> , as per USP <88> for Class VI plastics	
Fiber Release	Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release	
Particle Release	The filtrate complies with USP <788> test for particulate matter in injections	
Extractables with WFI	Passes test as per USP	
Oxidizable Substances	Within limits as specified in USP	

Ordering Information

ClariCap GS 25 mm

Type		Size		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size	
	Code	Dia	Code		Code		Code				Code		Code
ClariCap GS	IGSX	25 mm	06	0.7 µm	41	Female Luer Lock	M			Non Sterile	1	100	04
				1 µm	05	Male Luer Slip	N			EO Sterile	2		
				1.5 µm	14	1/8" Hose Barb	H						
				2 µm	15	1/4" Hose Barb	B						

Example

IGSX	06	41	MN	X	X	1	04
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ClariCap GS 50 mm

Type		Size		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size	
	Code	Dia	Code		Code		Code				Code		Code
ClariCap GS	VGSX	50 mm	10	0.7 µm	41	1/4" SHB	B			Non Sterile	1	12	08
				1 µm	05	3/4" Sanitary Flange	S			EO Sterile	2		
				1.5 µm	14								
				2 µm	15								

Example

VGSX	10	05	SS	X	X	1	08
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