

ClariPro GK-γ Hydrophilic PES Membrane Capsule Filters

ClariPro GK-γ hydrophilic PES membrane capsule filters are ready to use, gamma sterilizable disposable filtration devices. These are specially designed filters incorporating a microglass fiber upstream layer and a downstream PES membrane final layer and are used as pre-filters in biopharmaceuticals process development as well as manufacturing process for difficult to filter solutions.

The microglass fiber 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 PES membrane offers absolute retention, and low protein binding along with high flow rates.



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

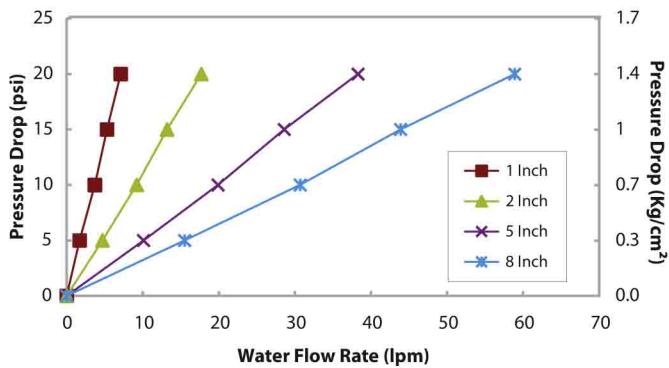
- Precipitate removal post viral inactivation
- Pre-filtration of cell culture media
- Pre-filtration of serum and other viscous biologicals
- Pre-filtration of serum solutions
- Clarification of cell harvest supernatants
- Pre-filtration of protein solutions
- Pre-filtration of high value difficult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

Specifications

Construction				
Pore Size	0.1µm, 0.2µm, 0.5µm			
Membrane	Hydrophilic PES			
Pre-filter	Microglassfiber			
Support Layers	Polyester			
Body and Core	Polypropylene			
Size				
Size	1"	2"	5"	8"
Effective Filtration Area (Nominal)	150 cm ²	500 cm ²	1000 cm ²	1500 cm ²
Vent and Drain	1/4" Hose Barb with double Silicone 'O' rings			
Operational				
Max. Operating Temperature	80 °C @ ≤ 30 psi (2 Kg/cm ²)			
Max. Differential Pressure	60 psi (4 Kg/cm ²) @ 30 °C			
	By Irradiation	Gamma Irradiatable up to 50 kGy		
Sterilization	By Autoclave	Autoclavable at 125 °C for 30 minutes, 1 cycle after gamma irradiation. 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			

Water Flow Rates

ClariPro GK- γ 0.5 μ m



Ordering Information

Type		Size		Pore Size		Inlet/Outlet		Radiation Sterilizable		X	Sterility		Pack Size	
	Code		Code		Code		Code		Code				Code	Code
ClariPro GK- γ	DGKX	1"	51	0.1 μ m	36	1/4" SHB	A	Yes	R		Non Sterile	1	1	01
		2"	52	0.2 μ m	01	1/2" Hose Barb	D	No**	X		Gamma Sterile	3		
		5"	53	0.5 μ m	04	1 1/2" Sanitary Flange	E							
		8"	57			3/4" Sanitary Flange	S							
						Quick Connector	J							
						Single Step 1/2" Hose Barb	Q							

Example:

DGKX	57	04	DD	R	X	1	01
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* 1" Capsule Filters are not available with 1/2" Single step Hose Barb

** Gamma irradiated filters cannot be gamma sterilized again

Example for Non Sterile: DGKX5704EERX104

Example for gamma Sterile: DGKX5704EEXX304



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