

ClariPro GK Hydrophilic PES Membrane Capsule Filters

MDI ClariPro GK are lab scale hydrophilic PES membrane capsule filters are ready to use, 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 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.

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

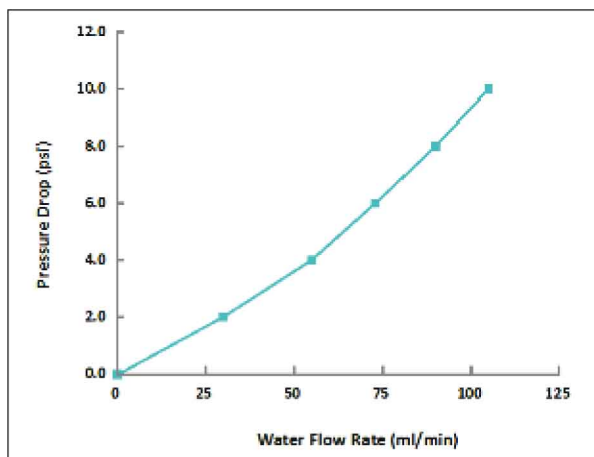
- Precipitate removal post viral inactivation
- Pre-filtration of cell culture media
- Pre-filtration of serum and other viscous biologicals
- Pre-filtration of serum solutions
- Clarification of cell harvest supernatants
- Pre-filtration of protein solutions
- Pre-filtration of high value difficult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

Specifications

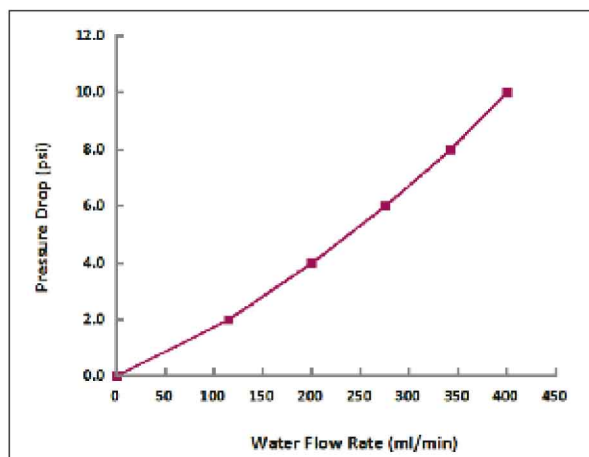
Construction		
Pore Size	0.1µm, 0.2µm, 0.5µm	
Membrane	Hydrophilic PES	
Pre-filter	Microglassfiber	
Support Layers	Polyester	
Body and Core	Polypropylene	
Size		
Size	25 mm	50 mm
Effective Filtration Area (Nominal)	5 cm ²	20 cm ²
Operational		
Max. Operating Temperature	60 °C	
Max. Differential Pressure	42 psi (3 Kg/cm ²) @ 30 °C	
Sterilization	By Gas	Sterilizable by Ethylene Oxide
	By Autoclave	Autoclavable at 125 °C for 30 minutes, 25 cycles. 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 0.5µm 25 mm



ClariPro GK 0.5µm, 50 mm



Ordering Information

ClariPro GK 25 mm

Type		Size		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size	
	Code	Dia	Code		Code		Code				Code		Code
ClariPro GK	IGKX	25 mm	06	0.1 µm	36	Female Luer Lock	M			Non Sterile	1	100	04
				0.2 µm	01	Male Luer Slip	N			EO Sterile	2		
				0.5 µm	04								

Example

IGKX	06	04	MN	X	X	1	04
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ClariPro GK 50 mm

Type		Size		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size	
	Code	Dia	Code		Code		Code				Code		Code
ClariPro GK	VGKX	50 mm	10	0.1 µm	36	¼" SHB	B			Non Sterile	1	12	08
				0.2 µm	01	*¾" Sanitary Flange	S			EO Sterile	2		
				0.5 µm	04								

*¾" Sanitary Flange are available as Outlet Only

Example

VGKX	10	04	SS	X	X	1	08
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