

# ClariSure GK Polyethersulfone Membrane Cartridge Filter with Microglassfiber prefilter

MDI polyethersulfone (PES) membrane cartridge filters *ClariSure GK* are disposable filtration devices for clarification of heavily particle laden solutions or colloidal suspensions. These are especially suited for serum and plasma applications. These cartridges contain an upstream microglassfiber layer and a polyethersulfone membrane layer on the downstream.

The upstream microglassfiber layer retains large size particulate contamination and colloidal particles to protect premature clogging of downstream side PES membrane layer. Thus it gives high through-puts resulting in better economics.

MDI *ClariSure GK* filters are validated for key performance parameters such as chemical compatibility, extractables, heat stability and flow rates. These are available in a variety of sizes to suit specific microfiltration needs in critical and specialized process applications.

## Special Features

- Large filtration area
- High throughputs
- Long service life
- Multiple autoclavable/SIP
- Heat sealed, no glues adhesives
- Low protein binding

## Specifications

Construction				
Pore Size	0.1 µm, 0.2 µm and 0.5µm			
Filter Media	Hydrophilic PES			
Pre-filter	Microglassfiber			
Support Layers	Polyester			
Body and Core	Polypropylene			
Size				
Size	5"	10"	20"	30"
Effective Filtration Area (Nominal)	2500cm <sup>2</sup>	5000cm <sup>2</sup>	10000cm <sup>2</sup>	15000cm <sup>2</sup>
Operational				
Max. Operating Temperature	80 °C @ < 30 psi (2 Kg/cm <sup>2</sup> )			
Max. Differential Pressure	50 psi (3.5 Kg/cm <sup>2</sup> ) @ 25 °C			
Sterilization	Autoclavable/Steam Sterilized at 121°C for 30minute, 25 Cycles.			
Assurance				
Toxicity	Passes Biological reactivity test, In Vivo, as per USP <88> for Class VI plastics			
Non Fiber Releasing	Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release			
Extractables with WFI	Passes NVR test as per USP <661>			
Oxidizable Substances	Passes test as per USP <1231>			
Particle Shedding	The filtrate complies with USP <788> test for particulate matter in injections			
Indirect Food Additive	All Polypropylene components meet the FDA Indirect Food Additive requirements cited in 21 CFR 177.1520			
Good Manufacturing Practice	These products are manufactured in a facility which adheres to Good Manufacturing Practices.			
Quality Management System	ISO-9001 Certified			
USFDA	DMF No. 015554			



## Applications

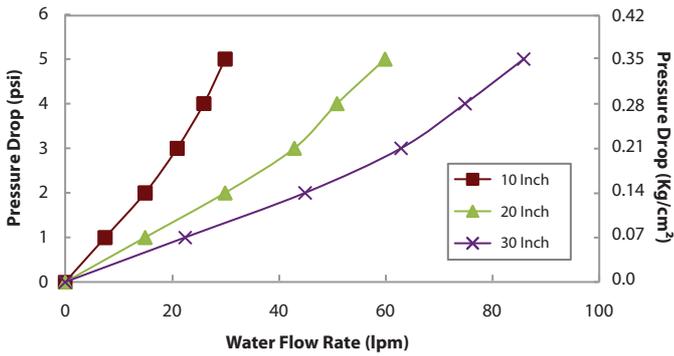
- Prefiltration of parenterals
- Prefiltration of ophthalmic solutions
- Prefiltration of proteinaceous liquid where minimum protein loss is desired, such as sera, culture soups and recombinant proteins, antibodies etc.
- Prefiltration of media, buffers etc for particulate contamination reduction

Complies with USDFA 21 CFR 210.3(b)(6)

Meets and Exceeds USDFA 21 CFR 177.1520

## Water Flow Rates

0.5 µm ClariSure GK Cartridge Filters



## Ordering Information

Type		Size		Pore Size		Adaptor		Elastomer		Sterility		Pack Size	
	Code		Code		Code		Code		Code		Code		Code
ClariSure GK (Polyethersulfone Membrane Cartridge with Microglassfiber Upstream Layer)	CGKX	5"	53	0.1 µm	36	7P	A0	Silicone	SS	Non Sterile	1	1	01
		10"	54	0.2 µm	01	7P without Fin	A1	EPDM	SE				
		20"	55	0.5 µm	04	28 with Fin	C0	Viton	SV				
		30"	56			'0'	D0	FEP Encapsulated Viton	FV**				
<b>Example</b>													
	CGKX		54		04		A0		SS		1		01

\* Size 5" are available in adapter code A0 (7P) and A1 (7P without Fin) only

\*\*FV is available in adapter code A0 (7P) and A1 (7P without fin) only

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