

ClariSure GK Polyethersulfone Membrane Mini Cartridge Filter with Microglassfiber prefilter

mdi polyethersulfone (PES) membrane mini 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 higher throughputs 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

- High throughputs
- Multiple autoclavable/SIP
- Heat sealed, no glues adhesives
- Low protein binding



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 USFDA 21 CFR 210.3(b)(6)

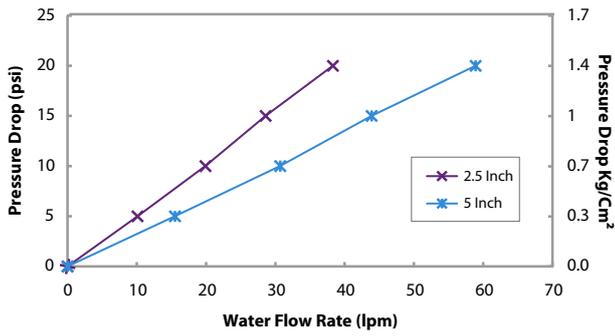
Meets and Exceeds USFDA 21 CFR 177.1520

Specifications

Construction		
Pore Size	0.1 µm, 0.2 µm and 0.5 µm	
Filter Media	Hydrophilic PES	
Pre-filter	Microglassfiber	
Support Layers	Polyester	
Body and Core	Polypropylene	
Size		
Size	2.5"	5"
Effective Filtration Area (Nominal)	1000cm ²	1500cm ²
Operational		
Max. Operating Temperature	80 °C @ < 30 psi (2 Kg/cm ²)	
Max. Differential Pressure	50 psi (3.5 Kg/cm ²) @ 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	

Water Flow Rates

0.5 µm *ClariSure GK* Cartridge Filters



Ordering Information

Type		Size		Pore Size		Adapter		Elastomer		Sterility		Pack Size	
	Code		Code		Code		Code		Code		Code		Code
<i>Clarisure GK</i> (Polyethersulfone Membrane Cartridge with Microglassfiber Upstream Layer)	CGKX	2.5"	50	0.1 µm	36	4463	E0	Silicone	SS	Non Sterile	1	1	01
		5"	53	0.2 µm	01	4463B	H0						
				0.5 µm	04	4440	U0						
						Seal-K	G0*						
						Seal-O	F0**						
						Seal-M	J0						

*G0 adapter code is not available with any elastomer. Please mention XX in place of elastomer code while ordering
 **Adapter code F0 is available only in 5" cartridge filters

Example

CGKX	50	04	E0	SS	1	01
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