

# AseptiSure KR Polyethersulfone Membrane Cartridge Filters

**mdi** AseptiSure KR Cartridge filters incorporate a low protein binding PES membrane with polypropylene drainage layers to ensure pH compatibility from 1-14 making these ideal for alkaline fluid streams.

#### **Special Features**

- Low protein binding
- Very wide chemical compatibility, even with very high alkaline solutions.
- Large filtration area
- High throughputs
- pre-flushed to minimize particulate release after installation
- Non-toxic material of construction
- Multiple steam sterilizable
- Heat sealed, no glues or adhesives



### **Applications**

Sterile ?ltration of alkaline solutions for pH control

Microbially Validated as per ASTM F 838-05

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

Meets and Exceeds USDFA 21 CFR 177.1520

#### **Specifications**

Construction					
Final Filter Pore Size	0.2	μm	0.45μm		
Membrane		Hydroph	nilic PES		
Support Layers		Polypro	pylene		
Body and Core		Polypro	pylene		
Integrity Testing / Retention					
Bubble Point	> 50psi (3.52Kg/	cm²) with Water	> 30psi (2.11Kg/cm²) with Water		
Air Diffusion Flow (10")	< 40ml/min @ 37 psi (2	2.6Kg/cm²) with Water	< 45ml/min @ 22 psi (1.54Kg/cm²) with Water		
Microbial Retention	LRV >7 for Brevundimonas di	minuta (ATCC 19146) per cm²	LRV >7 for Serratia marcescens (ATCC 14756) per cm <sup>2</sup>		
Size	'				
Size	5"	10″	20"	30"	
Effective Filtration Area (Nominal)	3000cm <sup>2</sup>	6000cm <sup>2</sup>	12000cm <sup>2</sup>	18000cm <sup>2</sup>	
Operational					
Max. Operating Temperature	80 °C @ < 2 Kg/cm² (30 psi)				
Max. Differential Pressure	3.5 Kg/cm² (50 psi) @ 25 °C				
Reverse Pressure	< 0.7 Kg/cm² (10 psi) @ 25 °C				
Typical Water Flow Rates (10")	40 lpm @ 0.70 l	(g/cm² @ 27 °C	55 lpm @ 0.70 Kg/cm² @ 27 °C		
Sterilization	Autoclavable/In-line steam sterilizable at 121 ° C for 30 minutes, 25 cycles				

DST CPKRXXX1008F

Assurance	
Toxicity	Passes Biological reactivity test, In Vivo, as per USP <88> for Class VI plastics
Bioburden	Bioburden level is < 1000 cfu/filter device as per ANSI/AAMI/ISO 11737-1 : 1995
Bacterial Endotoxin	Aqueous extracts exhibit < 0.25 EU/ml as established by Limulus Amebocyte Lysate (LAL) Test as per USP <85>
Non Fiber Releasing	Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release
pH Compatibility	Compatible with pH range of 1 - 14
Extractables with WFI	Passes NVR test as per USP <661>
Oxidizable Substances	Passes test as per USP <1231>
Particle Shedding	Complies with USP <788> test for particulate matter in injections
TOC/Conductivity at 25 °C	Meets the WFI requirements of USP <643> for Total Organic Carbon and USP <645> for Water Conductivity after a specified volume of purified water flush
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

## **Ordering Information**

Туре			
	Code		-
AseptiSure KR	CPKR		
		-	2

Size				
Length and filtration Area	Code			
5" (3000 cm <sup>2</sup> )**	53			
10" (6000 cm²)	54			
20" (12000 cm <sup>2</sup> )	55			
30" (18000 cm <sup>2</sup> )	56			

Pore Size			
	Code		
0.2 μm	01		
0.45 μm	02		

Adaptor				
	Code			
7P	A0			
7P without fin	A1			
28 with Fin	C0			
'0'	D0			

Elastomer				
	Code			
Silicone	SS			
EPDM	SE			
Viton	SV			
FEP				
Encapsulated	FV*			
Viton				

Sterility			Pack	Size
	Code			Code
Non Sterile	1		1	01

#### Example

CPKR	55	01	A0	SS	1	01

<sup>\*</sup> FV is available in Adapter Code A0 (7P) only

### **Advanced Microdevices Pvt. Ltd.**

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<sup>\*\*</sup> Size 5" are available in Code A0 (7P) and A1 (7P without fin) only