

**MDI AseptiSure NS** Nylon-66 membrane cartridge filters are sterilizing grade filters offering absolute retention and wide chemical compatibility. These filters offer serial filtration for enhanced throughput. The upstream layer is of larger pore size to protect the downstream final filtration layer.

## Special Features

- Absolute retention
- Minimal extractables
- High heat resistance
- Wide chemical compatibility
- Biologically inert
- Hydrophilic
- Total Traceability :  
Unique identification number is laser etched on each filter

Microbially Validated as per ASTM F 838-05
Complies with USFDA 21 CFR 210.3(b)(6)
Meets and Exceeds USFDA 21 CFR 177.1520



## Applications

- Sterilization of compatible solvents and chemicals
- Sterilization of disinfectants in pharmaceutical labs and process areas
- Filtration of hospital disinfectants
- Filtration of rinse water for endoscopes and other hospital equipments
- Sterilizing filtration of pharmaceutical, aqueous and non aqueous solutions

## Specifications

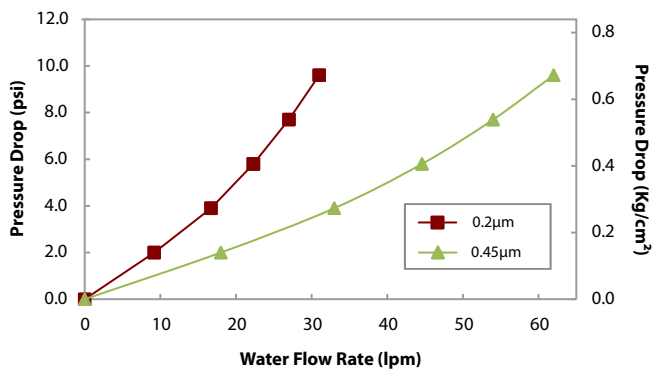
Construction				
Final Filter Pore Size	0.2µm		0.45µm	
Prefilter Pore Size	0.8 µm, 0.45 µm		0.8 µm	
Membrane	Nylon-66			
Support Layers	Polyester			
Body and Core	Polypropylene			
Integrity Testing / Retention				
Air Diffusion Flow for 10" Cartridge filters (with 50% IPA Wetted)	< 25ml/min @ 16 psi (1.12Kg/cm <sup>2</sup> )		<25ml/min @ 10 psi (0.7Kg/cm <sup>2</sup> )	
Microbial Bacterial Retention (LRV >7 for)	Brevundimonas diminuta (ATCC 19146) per cm <sup>2</sup>		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/cm <sup>2</sup> (30 psi)			
Max. Differential Pressure	< 3.5Kg/cm <sup>2</sup> (50 psi) @ 25°C			
Reverse Pressure	< 0.7 Kg/cm <sup>2</sup> (10 psi) @ 25 °C			
Sterilization	Autoclavable/In-line Steam Sterilizable at 121 °C for 30 minutes			

## 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
Non Fiber Releasing	Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release
Oxidizable Substances	Passes test as per USP <1231>
Particle Shedding	Passes USP test for particulates 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

## Water Flow Rates

AseptiSure NS, 10" Cartridge Filters



## Ordering Information

Type		Size		Pore Size		Adaptor		Elastomer		Sterility		Pack Size	
	Code		Code		Code		Code		Code		Code		Code
AseptiSure NS (0.45 µm Upstream)	CPNX	5" **	53	0.2 µm	01	7P	A0	Silicone	SS	Non Sterile	1	1	01
AseptiSure NS (0.8 µm Upstream)	CPN5	10"	54	0.45 µm	02	7P without fin	A1	EPDM	SE				
		20"	55			28 with Fin	C0	Viton	SV				
		30"	56			'O'	D0	FEP Encapsulated Viton	FV*				
<b>Example</b>													
	CPNX		56		01		A0		SS		1		01

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

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

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