

# Cellulose Nitrate Membrane Disc Filters

**mdi** Cellulose Nitrate membrane disc filters are white, hydrophilic, non-biodegradable filters for filtration of aqueous solution.



## Special Features

- Absolute Retention
- Hydrophilic
- Non-media migrating
- High flow rates
- Biologically inert

## Applications

- Water analysis
- Sterility testing
- Filtration of aqueous solutions
- Product and water Microbiology

## Specifications

### Pore Size

0.2µm, 0.45µm, 0.8µm, 1.2µm, 5µm

### Bubble Point

0.2 µm	≥ 50 psi
0.45 µm	≥ 32 psi

### Thickness

135 ± 15µm

### Material of Construction

Cellulose Nitrate

### Sterilization

Autoclavable at 121°C for 30 minutes

### Retention Efficiency

0.2 µm	LRV>7 for <i>B. diminuta</i>
0.45 µm	LRV>7 for <i>S. marcescens</i>

### Water Flow Rate @ 10 psi @ 27°C

0.2 µm	20 ml/min/cm <sup>2</sup>
0.45 µm	45 ml/min/cm <sup>2</sup>

### Max. Operating Temperature

80°C Continuous

### Max. Operating Pressure

5kg/cm<sup>2</sup>

### 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 injectables

## Ordering Information

Type		Size		Pore Size		XX XX		Sterility		Pack Size	
	Code		Code		Code				Code		Code
CN	CNXX	13 mm	03	0.2 µm	01			Non Sterile	1	100	04
		25 mm	06	0.45 µm	02						
		47 mm	09	0.8 µm	03						
				1.2 µm	10						
				5 µm	07						
EXAMPLE	CNXX	09		01		XX	XX	1			04