

Pre-sterilized Cellulose Nitrate Membrane Disc Filters

mdi pre-sterilized, 47mm Cellulose Nitrate membrane disc filters are individually packed white, hydrophilic, non-biodegradable filters.

Special Features

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

Applications

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

Specifications

Pore Size

0.2µm, 0.45µm, 0.8µm



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 ²
0.45 µm	45 ml/min/cm ²

Max. Operating Temperature

80°C Continuous

Max. Operating Pressure

5kg/cm²

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	47 mm	09	0.2 µm	01			EO Sterile	2	100	04
				0.45 µm	02						
				0.8 µm	03						
EXAMPLE	CNXX		09		02	XX	XX		2		04