

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



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

Special Features

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

Applications

- Sterile filtration of buffers, media, and aqueous solutions
- Bioburden reduction
- Clarification and particulate removal

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> |

Ordering Information

| Type | | Size | | Pore Size | | XX XX | Sterility | | Pack Size | |
|---------|------|--------|------|-----------|------|-------|-------------|------|-----------|------|
| | Code | | Code | | Code | | | Code | | Code |
| CN | CNXX | 90 mm | 14 | 0.2 µm | 01 | | Non Sterile | 1 | 50 | 03 |
| | | 142 mm | 16 | 0.45 µm | 02 | | | | | |
| | | 293 mm | 19 | 0.8 µm | 03 | | | | | |
| | | | | 1.2 µm | 10 | | | | | |
| | | | | 5 µm | 07 | | | | | |
| EXAMPLE | CNXX | 14 | | 01 | | XX XX | | 1 | | 03 |