

**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        |      |