

# Grid Marked Cellulose Nitrate Membrane Disc Filter Type- GCN

**mdi** Grid marked Cellulose Nitrate membrane disc filters are useful for water and product microbiology and the grid on the surface facilitates counting of colonies.

**mdi** filters are produced in a facility with ISO-9001:2008 certified quality management system.



## Validated for

- Inhibitory effect of ink grids on membrane filters as per ASTM D 4200-82
- Microbial recovery
- Microbial retention
- Sterility

## Applications

- Water Microbiology
- Product Microbiology

## Specifications

### Materials of Construction

<b>Filter Media</b>	Cellulose Nitrate
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### Size

47mm, 50mm

### Pore Size

0.2 µm, 0.45 µm

### Bubble Point

0.2µm	≥ 50psi (3.52Kg/cm <sup>2</sup> ) with water
0.45µm	≥ 32psi (2.25Kg/cm <sup>2</sup> ) with water

### Retention Efficiency

0.2µm	LRV > 7 for B. diminuta , As per ASTM F838-05
0.45µm	LRV > 7 for S. marcescens

### Water Flow Rates

0.2µm	≥ 20ml/min/cm <sup>2</sup> @ 0.70 Kg/cm <sup>2</sup> @ 27 °C
0.45µm	≥ 45ml/min/cm <sup>2</sup> @ 0.70 Kg/cm <sup>2</sup> @ 27 °C

### Maximum Operating Temperature

80°C continuous

### Maximum Operating Pressure

5Kg/cm<sup>2</sup>

### Sterilization

Pre-sterilized with EO

## Ordering Information

Type		Size		Pore Size		XX	XX	Sterility		Pack Size	
	Code	Diameter	Code		Code				Code	Qty	Code
GCN	GCNX	47mm	09	0.2µm	01			Non Sterile	1	100	04
		50mm	10	0.45µm	02			EO Sterile	2		
<b>Example:</b>											
	GCNX		09		02	XX	XX		1		04