

# 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 certified quality management system.



## Validated for

- Inhibitory effect of ink grids on membrane filters as per ASTM D 4200
- 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
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0.45µm	≥ 32psi (2.25Kg/cm <sup>2</sup> ) with water
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### Retention Efficiency

0.2µm	LRV > 7 for B. diminuta, As per ASTM F838
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