

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

Filter Media	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 ²) with water
0.45µm	≥ 32psi (2.25Kg/cm ²) 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 ² @ 0.70 Kg/cm ² @ 27 °C
0.45µm	≥ 45ml/min/cm ² @ 0.70 Kg/cm ² @ 27 °C

Maximum Operating Temperature

80°C continuous

Maximum Operating Pressure

5Kg/cm²

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		
Example:											
	GCNX		09		02	XX	XX		1		04