

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

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
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



Membrane Technologies

Pre-sterilized GCN Membrane in Reel Form Type- RGCN

mdi Pre-sterilized GCN membrane in reel form type - RGCN are useful for water microbiology and the grid on the surface facilitates counting of colonies.

RGCN disc filters are packed in similar pouches as GCN. These however, are offered in the form of reel for use with automated systems. The main advantage here is that membrane is automatically dispensed and the chances of touching of membrane during peeling-off are minimized.

These membrane reels are compatible with different membrane dispensers available on the market.

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 and 50mm

Pore Size

0.45 µm

Bubble Point

0.45µm	≥ 32psi (2.25Kg/cm ²) with water
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Retention Efficiency

0.45µm	LRV > 7 for <i>Sr. marcescens</i>
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Water Flow Rates

0.45µm	≥ 45ml/min/cm ² @ 0.70 Kg/cm ² @ 27 °C
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Sterilization

By Gas	Pre-sterilized with EO
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Ordering Information

Type		Size		Pore Size		XX	XX	Sterility		Pack Size	
	Code	Diameter	Code		Code				Code		
RGCN	RGCN	47mm	09	0.45µm	02			EO Sterile	2	150	15
		50 mm	10								
Example:											
RGCN		09		02		XX	XX	2			15

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