

CELLULOSE NITRATE MEMBRANE FILTERS FOR THE DISPENSADER

Membrane suitable for use in the dispenser, sterile-sealed, without protective paper on top of each filter.

- Made of cellulose nitrate.
- Hydrophilic.
- Very high flow rate.
- High non-specific adsorption.
- Resistant to aqueous solutions pH 4-8, hydrocarbons and some dilute solvents.
- Very uniform pore structure which ensures homogeneous distribution of the particles retained on the filter surface.
- No enhancement or inhibition by the grid lines, due to chemical extractable or by the sterilization process.
- Multi-fit: Fits into other dispensers.
- Protective paper-free.
- Packaged on a special pleated band.
- Product data are printed on.
- High Flow membranes available.
- White, green, black, gridded .
- Pore size from 0.45 μm to 1.2 μm .
- Gamma irradiated , 25 kGray.

Technical specifications

Material	Cellulose nitrate					
Pore size	0.2 μm	0.45 μm	0.45 μm high Flow	0.65 μm	0.8 μm	1.2 μm
Water flow rate (1)(ml/min)	20	70	100	130	200	320
Retention of coliforms (%)	100	100	100	n.a.	n.a.	n.a.
Recovery rate (%)	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90

- Adsorption : 160 $\mu\text{g}/\text{cm}^2$ for γ -globulin (decreases with increasing pore size)
- Extractables with water less than 1%
- Maximum temperature 130 °C max.

(1) Acc. DIN 58355 : with water per cm^2 at $A_p = 1$ bar

(2) Acc ISO 7704

Applications

- Microbiological analysis of water, drug products, drinks, etc.
- For counts of colonies of microorganism.
- For counts of fungi and yeasts.

Ordering information

Pore (um)	Φ (mm)	Colour / Grid	Code
0.2	47	White/black	NCSD02047BC
0.2	50	White/black	NCSD02050BC
0.45 high flow	47	White/black	NCSD045HF47BC
0.45 high flow	50	White/black	NCSD045HF50BC
0.45 high flow	47	White/green	NCSD045HF47VC
0.45	47	White/black	NCSD04547BC
0.45	50	White/black	NCSD04550BC
0.45	47	White/green	NCSD04547VC
0.45	50	White/green	NCSD04550VC
0.45	47	Green/green	NCSD04547VVC
0.45	50	Green/green	NCSD04550VVC
0.45	47	Black/white	NCSD04547NC
0.45	50	Black/white	NCSD04550NC
0.65	47	Black/white	NCSD06547NC
0.65	50	Black/white	NCSD06550NC
0.80	47	Black/white	NCSD08047NC
0.80	50	Black/white	NCSD08050NC
1.2	47	White/black	NCSD12047NC
1.2	50	White/black	NCSD12050NC