



ReliaDisc™ Membrane Filters

Ahlstrom's premium brands complete the portfolio in laboratory filtration.

Ahlstrom offers gridded sterile membranes packed individually specifically designed to save time when performing colony counting and microbiological quality control. These cellulose nitrate membranes are available in a 47 and 50 mm ready-to-use standard size and support optimum colony growth.

Ahlstrom supplies a wide range of plain white non-sterile microfiltration membranes used to remove particles and microorganisms from various organic solvents and aqueous solutions.

Ahlstrom ReliaDisc™ - Membrane Filters are offered in the most popular membrane materials for diverse applications including:

- Particle retention and collection
- Sterile filtration of solutions
- Microbiological applications for cell growth and colony counting
- Particulate analysis
- Air monitoring applications
- Microbiological analysis of potable and waste waters

Ahlstrom ReliaDisc™

- Wide variety of polymers and pore sizes available
- High lot-to-lot reliability and reproducibility for consistent filtration quality
- Ultra-pure production facility in Germany according to the highest quality control standards
- Various filter diameters and pack sizes available on demand
- Available in sterile or non-sterile packaging
- Gridded membrane filters available for easy colony counting

Benefits and Characteristics

Cellulose Acetate: low protein-binding, well suited for sterile filtration and clarification of aqueous solutions (pH 4-8), nutrient media, buffers, and sera. Also compatible with alcohol and oil. These hydrophilic membranes offer high and consistent flow rates. Maximum thermal stability: 180°C.

Cellulose Nitrate: set standard in both analytical and microbiological filtration. Available in a wide range of pore size and is well suited for microbial analysis in water, food and beverage application in the pH range 4-8. Maximum thermal stability: 130°C.

Regenerated Cellulose: hydrophilic (pH 3-12) and resistant to solvents. Typically used for HPLC sample preparation. Maximum thermal stability: 200°C.

Nylon (Polyamide): hydrophilic and widely used in both aqueous (pH 3-14) and organic solvent filtration applications. Well suited for clarification of buffers and nutrient media with a low level of extractables. Maximum thermal stability: 100°C.

PTFE: permanently hydrophobic filter material, very suitable for air and gas particulate filtration. Extremely resistant to aggressive solvents and acids (pH 1-14). Maximum thermal stability: 200°C. Must be pre-wetted with ethanol before the filtration of aqueous media.

ReliaDisc™ Sterile Gridded Microbiological Membranes

Membrane Type	Grid	Pore Size	Membrane Diameter (mm)	Pack of 100/1000	Pack of 3x100 for Auto Dispenser
Cellulose Nitrate	White / Black Grid	0.45 µm	47	760216 / 760217	760219
Cellulose Nitrate	White / Black Grid	0.45 µm	50	760242 / 760218	760220
Cellulose Nitrate*	White / Black Grid	0.45 µm	47	-	760222
Cellulose Nitrate*	White / Black Grid	0.45 µm	50	-	760223
Cellulose Nitrate	White / Black Grid	0.2 µm	47	760221 / 760241	-
Cellulose Nitrate	Grey / White Grid	0.45 µm	47	760243 / 760224	-
Cellulose Nitrate	Grey / White Grid	0.45 µm	50	760225 / 760226	760239
Cellulose Nitrate	Green / Dark Green Grid	0.45 µm	47	760244 / 760227	-
Cellulose Nitrate	Green / Dark Green Grid	0.45 µm	50	760228 / 760229	760231
Cellulose Nitrate	White / Green Grid	0.45 µm	47	760245 / 760232	-
Cellulose Nitrate	White / Green Grid	0.45 µm	50	760233 / 760234	-
Cellulose Nitrate**	Green / Dark Green Grid	0.45 µm	50	760246 / 760230	-

*High flow. **Nonsterile.

ReliaDisc™ Non-sterile Membrane Filtration Media

Membrane Type	Filter diameter (mm)	Pore Size (µm)	Flow Rate for water (mL/min)*	Pack of 100
Cellulose Acetate	25	0.45	65	760102
Cellulose Acetate	47	0.2 / 0.45	24 / 65	760107 / 760104
Cellulose Acetate	50	0.45	65	760105
Cellulose Acetate	90	0.45	69	760106
Cellulose Nitrate	25	0.45	70	760209
Cellulose Nitrate	47	0.45 / 0.65 / 0.8	70 / 130 / 200	760210 / 760208 / 760206
Cellulose Nitrate	47	1.2 / 5 / 8	320 / 570 / 750	760204 / 760212 / 760202
Cellulose Nitrate	50	0.45	70	760211
Cellulose Nitrate	50	0.8	200	760207
Cellulose Nitrate	90	3	430	760203
PTFE	25	0.45	20**	760151
PTFE	47	0.2 / 0.45 / 1.2	0.1 / 0.2 / 1.6**	760153 / 760152 / 760150
Regenerated Cellulose	47	0.45	30	760171
Nylon	47	0.45	>35	760181

* According to DIN 58355 (average values per cm² at 1 bar pressure).

** With isopropanol per cm² Δp = 1 bar/-15 psi. Other polymers, pore sizes, diameters are available for special order.

CONTACT AHLSTROM SALES

EMEA

☎ +49 37347 830

✉ laboratory@ahlstrom.com

South America

☎ +55 19 3878 9238

✉ laboratory@ahlstrom.com

Asia - China

☎ +86 21 233 07 330

✉ laboratory@ahlstrom.com

DISCLAIMER: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability of fitness for use. All users of the material are responsible for ensuring that it is suitable for their needs, environment and end use. All data is subject to change as Ahlstrom deems appropriate.

