

Filtration

Filtration Bestsellers

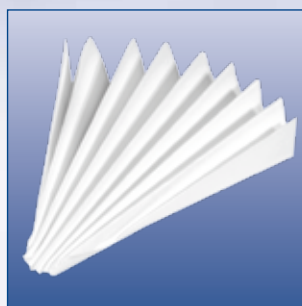
Discover

Quality filters „Made in Germany“ since 1911

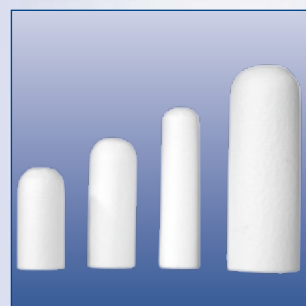
- Reliable Filtration
- Famous Quality
- Best value



Filter Circles



Folded Filters



Extraction Thimbles

Filter papers

With MACHEREY-NAGEL filtration products you can be sure that the grade for a particular application will always maintain its performance standards, consistency and quality.

Qualitative filter papers

MACHEREY-NAGEL qualitative filter papers are widely used for routine separations. The wide variety of grades provides a great choice of particle retention and filtration speed alternatives. Qualitative filter papers are manufactured from top quality raw materials using ultra pure water to ensure consistent and reliable filtration.

MN 615	≡ No. 1	Most widely used general purpose filter paper with medium retention and flow rate. This filter paper covers a wide range of laboratory applications and is frequently used for clarifying liquids.
MN 616 md	≡ No. 2	Slightly more retentive than MN 615 with a corresponding increase in filtration time.
MN 617	≡ No. 4	Very fast filter paper with excellent retention of coarse particles and gelatinous precipitates. Used for example in routine clean up of biological or organic solutions.
MN 619		Filter paper with very high particle retention and slow flow rate. Excellent clarifying capacity for cloudy suspensions and for water and soil analysis.

Ordering information for filter circles (☉) and folded filters (☂); packs of 100

Ø mm	MN 615		MN 616 md		MN 617		MN 619	
	☉ REF	☂ REF	☉ REF	☂ REF	☉ REF	☂ REF	☉ REF	☂ REF
90	431009	531009	433009	533009	434009	534009	437009	537009
110	431011	531011	433011	533011	434011	534011	437011	537011
125	431012	531012	433012	533012	434012	534012	437012	537012
150	431015	531015	433015	533015	434015	534015	437015	537015
185	431018	531018	433018	533018	434018	534018	437018	537018
240	431024	531024	433024	533024	434024	534024	437024	537024



Quantitative (ashless) filter papers

MACHEREY-NAGEL manufactures a broad range of ashless filter papers that are refined and purified in a highly developed clean-up process to remove organic and inorganic impurities. This ensures a low ash content of < 0,01%, consistent performance and safe results in gravimetric analysis.

MN 640 m	≡ No. 43 ≡ white ribbon	White label	Classic, general purpose, ashless filter paper with medium speed and medium retention. Typical applications include gravimetric analysis for components, quantitative determinations of sediments and high purity clean up procedures.
MN 640 w	≡ No. 41 ≡ black ribbon	Grey label	Fast, ashless filter paper. Recommended for analytical procedures involving coarse particles or gelatinous precipitates.
MN 640 d	≡ No. 42 ≡ blue ribbon	Green label	Ashless filter paper with very fine particle retention. Standard paper for critical gravimetric analysis of fine precipitates like barium sulfate or metastannic acid.

Ordering information for filter circles; packs of 100

Ø mm	MN 640 m	MN 640 w	MN 640 d
	☉ REF	☉ REF	☉ REF
90	203009	202009	205009
110	203011	202011	205011
125	203012	202012	205012
150	203015	202015	205015
185	203018	202018	205018
240	203024	202024	205024







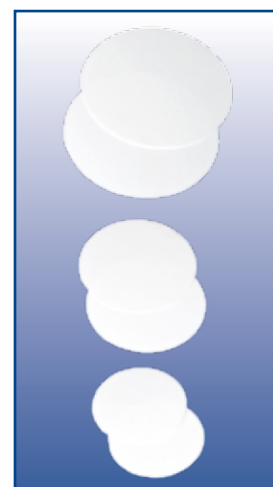
Glass fibre filters

MACHEREY-NAGEL glass microfibre filters are manufactured from 100% borosilicate glass. They have wide applications when fine filtration and high loading capacity is required. Due to the intrinsic properties of borosilicate glass they also allow a safe filtration of aggressive solutions including strong acids and bases.

MN 85/90		Most widely used, general purpose glass fibre filter with very good mechanical stability. The filter contains an organic binder and is stable up to 200 °C.
MN 85/90 BF		Binder free filter paper for difference weight analysis. This paper is especially used in water treatment facilities for example for the determination of undissolved solids.
MN GF-1	≡ GF/A	This binder free paper offers fine particle retention, high flow rate and good loading capacity. It is used for high efficiency laboratory filtration as well as air sampling.
MN GF-3	≡ GF/C	Slightly more retentive than MN GF-1 this binder free paper is used for the collection of suspended solids in potable water as well as natural and industrial waste water in many parts of the world.

Ordering information for filter circles; packs of 25

Ø mm	MN 85/90  REF	MN 85/90 BF  REF	MN GF-1  REF	MN GF-3  REF
25	4050025	4060025	4110025	4130025
37	4050037	4060037	4110037	4130037
45	4050045	4060045	4110045	4130045
55	405005	406005	411005	413005
70	405007	406007	411007	413007
90	405009	406009	411009	413009
110	405011	406011	411011	413011
125	405012	406012	411012	413012
150	405015	406015	411015	413015



Extraction thimbles

MACHEREY-NAGEL manufactures extraction thimbles from top quality raw materials using ultra pure water. They are typically used in Soxhlet extraction units, particularly for fat analysis of food and feed and for the analysis of soil contaminants. The thimbles allow the safe and efficient solvent extraction from solid materials.

MN 645	Extraction thimble made of pure cellulose.
MN 649	Glass microfibre thimbles for high temperature filtration or when using solvents incompatible with cellulose thimbles.

Ordering information; packs of 25

Size IDxH (mm)	MN 645 REF	Size IDxH (mm)	MN 645 REF
20 x 80	645005	30 x 80	645020
22 x 80	645006	30 x 100	645023
28 x 80	645015	33 x 80	645951
29 x 100	645017	33 x 94	645022



Ordering information; packs of 25

Size IDxH (mm)	MN 649 REF	Size IDxH (mm)	MN 649 REF
22 x 80	649106	33 x 94	649122
33 x 80	649120	33 x 100	649123

Lab-Top, PE coated paper MN 210 PE

This highly absorbent paper is coated on one side with polyethylene, providing an impermeable layer for the protection of the subjacent surface. Spilled liquids are effectively absorbed and can be removed cleanly.

MN 210 PE	48x60 cm, pack of 100 sheets	REF 112000
MN 210 PE	reel 100x0,6 m	REF 112020

Weighing aids

MN 808	These weighing boats are made from a special, nitrogen-free parchment. They are used to weigh viscous or syrupy substances.	100 pcs, 58x10x10 mm 100 pcs, 70x23x15 mm	REF 486000 REF 486001
MN 226	A very smooth transparent paper guaranteeing that the weighed goods can be transferred without loss.	Block of 100 sheets 9x11,5 cm	REF 186002
MN 40/25	Easy crushable parchment papers, especially used in the sugar industry.	1000 pcs, 10x10 cm	REF 194000

Filter Membranes Porafil®

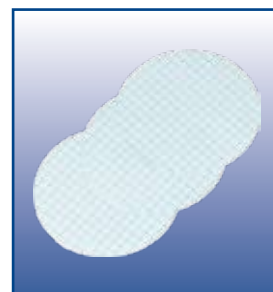
MACHEREY-NAGEL filter membranes Porafil® are manufactured under strictly controlled conditions in highly elaborated processes. They are used in a large variety of procedures ranging from general-purpose water filtrations to microbiological determinations.

Porafil® CM, cellulose mixed ester membranes

Membranes of cellulose mixed ester are recommended for the filtration of aqueous solutions in analytical and microbiological investigations.

Ordering information Porafil® CM; packs of 100

Pore size 0.2 µm		Pore size 0.45 µm	
Diameter [mm]	REF	Diameter [mm]	REF
13	65100020013	13	65100045013
25	65100020025	25	65100045025
47	65100020047	47	65100045047
50	65100020050	50	65100045050



Porafil® CM cellulose mixed ester membranes are also available as individual sterile packs. They are supplied individually sealed and commonly used for microbiological tests for example in the beverage industry.

Ordering information for sterile membranes Porafil® CM; packs of 100

	Pore size 0.45 µm	REF
	Diameter [mm]	
White membranes with black grid	50	65300045050
Green membranes with dark grid	50	65320045050
Black membranes with white grid	50	65310045050



Porafil® CA, cellulose acetate membranes

Membranes of cellulose acetate with good stability to aqueous and alcoholic media. These membranes are commonly used for general purpose microbiological filtration.

Ordering information Porafil® CA

Pore size 0.2 µm			Pore size 0.45 µm		
Diameter [mm]	Membranes/pack	REF	Diameter [mm]	Membranes/pack	REF
47	100	68000020047	47	100	68000045047
50	100	68000020050	50	100	68000045050
142	25	68000020142	142	25	68000045142