Filtration



MACHEREY-NAGEL



Filter papers

With MACHEREY-NAGEL filtration products you can be sure that the grade that matches a particular application will continue to maintain the performance standards of consistency and quality.

Qualitative filter papers

These filters are commonly used for procedures, or analytical techniques that are qualitative in nature. Although these filter papers are used in routine separations, there is a great need for purity and consistent quality.

MN 615

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 MN 616 w Slightly more retentive than MN 615 with a corresponding increase in filtration time. Very fast filter paper with excellent retention of coarse particles and gelantinous precipitates. Used for examples for routine clean up of biological or organic solutions. Filter paper with very high particle retention and slow flow rate. Excellent clarifying filter for cloudy suspensions and for water and soil analysis.

MN 619

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

	MN 615		MN 616	md	MN 617		MN 619	
Ø								
mm	Ref.							
55	431005	531005	433005	533005	434005	534005	437005	537005
70	431007	531007	433007	533007	434007	534007	437007	537007
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 ashless filter papers are produced under carefully controlled conditions that ensure a low ash level of < 0,01 %. They are utilized especially for routine quantitative gravimetric techniques.

MN 640 m

White box fast

Classic general purpose ashless filter paper with medium speed and medium retention. Typical applications include gravimetric analysis for numerous components, quantitative determinations of sediments and high purity clean up procedures

MN 640 w

Grey box medium fast Green box slow Fast ashless filter paper. Recommended for analytical procedures involving coarse particles or gelantinous precipitates.

Ashless filter paper with very fine particle retention. Standard paper for critical gravimetric analysis or fine precipitates like barium sulfate or metastannic acid

Ordering information for filter circles, packs of 100

MN 640 m		MN 640 w	MN 640	d
Ø		Ø	Ø	
mm	Reference	mm Reference	mm	Reference
55	203005	55 202005	55	205005
70	203007	70 202007	70	205007
90	203009	90 202009	90	205009
110	203011	110 202011	110	205011
125	203012	125 202012	125	205012
150	203015	150 202015	150	205015
185	203018	185 202018	185	205018
240	203024	240 202024	240	205024

Glass fibre filters

Glass fibre filters are widely applicable in many fields of laboratory use due to the exceptionally good resistance to most organic and inorganic solvents. They allow a fast filtration with simultaneous high particle retention and good loading capacity.



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	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	Slightly more retentive than MN GF-1 this binder free paper is used for the collection of susper ded solids in potable water as well as natural and industrial waste in many parts of the world

MN 85	5/90	MN 85/	90 BF	MN GF	-1	MN GF	-3
Ø		Ø		Ø		Ø	
mm	Reference	mm	Reference	mm	Reference	mm	Reference
25	4050025	25	4060025	25	4110025	25	4130025
37	4050037	37	4060037	37	4110037	37	4130037
45	4050045	45	4060045	45	4110045	45	4130045
55	405005	55	406005	55	411005	55	413005
70	405007	70	406007	70	411007	70	413007
90	405009	90	406009	90	411009	90	413009
110	405011	110	406011	110	411011	110	413011
125	405012	125	406012	125	411012	125	413012
150	405015	150	406015	150	411015	150	413015

Extraction thimbles

MACHEREY-NAGEL extraction thimbles are worldwide known for their consistently high quality. They are mainly used in Soxhlet extraction units, particularly in food and soil analysis.

MN 645: Cellulose thimbles. Ordering information, packs of 25

	9			
Size (internal diamete external height)		Size (internal diamei external height)		
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	

MN 649: Glass microfibre thimbles for high temperature filtration or when using solvents incompatible with cellulose thimbles.

Ordering information, packs of 25

Size (internal diameter external height)	Reference x	Size (internal diamet external height)		
22 x 80	649106	33 x 94	649122	
33 x 80	649120	33 x 100	649123	

This highly aborbent 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 cleanly removed.

MN 210 PE	48x60 cm, pack of 100 sheets	Reference: 112000
MN 210 PE	reel 100x0,6 m	Reference: 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 transfered without loss	Block of 100 sheets 9x11,5 cm	Ref.: 186002
MN 40/25	Easy crushable parchment papers, especially for use in sugar industry.	1000 pcs, 10x10 cm	Ref.: 194000

Filter Membranes Porafil

Filter membranes Porafil enable a very convenient, fast and economical separation. They are also suitable as neutral sample support for further analysis.

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

Pore size 0,2 µm			Pore size 0,45 µ	Pore size 0,45 μm		
Diameter	[mm] Membranes/pack	Reference	Diameter [mm]	Membranes/pack	Reference	
13	100	65100020013	13	100	65100045013	
25	100	65100020025	25	100	65100045025	
47	100	65100020047	47	100	65100045047	
50	100	65100020050	50	100	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 beverage industry.

Ordering information sterile membranes Porafil CM

	Pore size 0,45 μm			
	Diameter [mm]	Membranes/pack	Reference	
White membrane with black grid	50	100	65300045050	
Green membranes with dark grid	50	100	65320045050	
Black membranes with white grid	50	100	65310045050	

Porafil CA, cellulose acetate membranes

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

Ordering information Porafil CA

Pore size 0,2 µm			Pore size 0,45 µ	Pore size 0,45 μm		
Diameter	[mm] Membranes/pack	Reference	Diameter [mm]	Membranes/pack	Reference	
47	100	68000020047	47	100	68000045047	
50	100	68000020050	50	100	68000045050	
142	25	68000020142	142	25	68000045142	

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