Labinox

CATALOGUE 2026







filtraTECH

filtration tailored
to your needs



As a French company dedicated to filtration for laboratories and industries, filtraTECH offers an exhaustive range of analytical filter papers (quantitative, qualitative, standard), glass microfibre filters, special papers (for protection, cleaning, weighing, chromatography...) and amongst other products, microfiltration articles (membranes, syringe filters).

Thanks to the 30-year-old expertise of the team, the company demonstrates our know-how in accompanying and advising our customers in the choice and development of tailored solutions.

The small structure of the company enables flexible and agile responses to specific customer's requests. Our know-how lays in our ability in tailoring products to the most specific requests and we are capable of developing particular converting tools.

Because the world is always changing and that we need to keep adjusting, we would be glad to receive all your comments or questions. Help us improve our processes, catalogue or products and feel free to contact our services at sales@filtratech.fr.

We thank you for trusting filtraTECH 's team.



Partners first

Buying products from filtraTECH is not only about choosing high quality products with reasonable pricing, it is asking for efficient and complete service, strong quality management and customer-oriented strategy. That is why once a distributor works with us, we start building an in-depth partnership in which everyone is gainful.

In this niche market, we deliver the best service to all our customers from the smallest to the biggest businesses, the local or the foreign ones. Partners praise our reactiveness, dynamism and kindness.

Our distributors can count on us for respecting our commitments and contracts on the long run. Your satisfaction is our core priority, respect and reliability are our common grounds.

European sourcing & made in France

We select our suppliers with the greatest care and are proud that all our filter paper suppliers are in Europe. This enables us to work with high quality raw material manufactured in respect of the most demanding standards, with a lower impact on the environment.

We convert the filters in France where we handle all our operations (manufacturing, packing, handling). Through the years, we have been investing in more modern and efficient machines to increase and anticipate our production capacity and though we remain a small company, the team is growing every year. We are proud to contribute to the French industry.

MADE IN FRANCE

Management of quality

ISO 9001 Certification

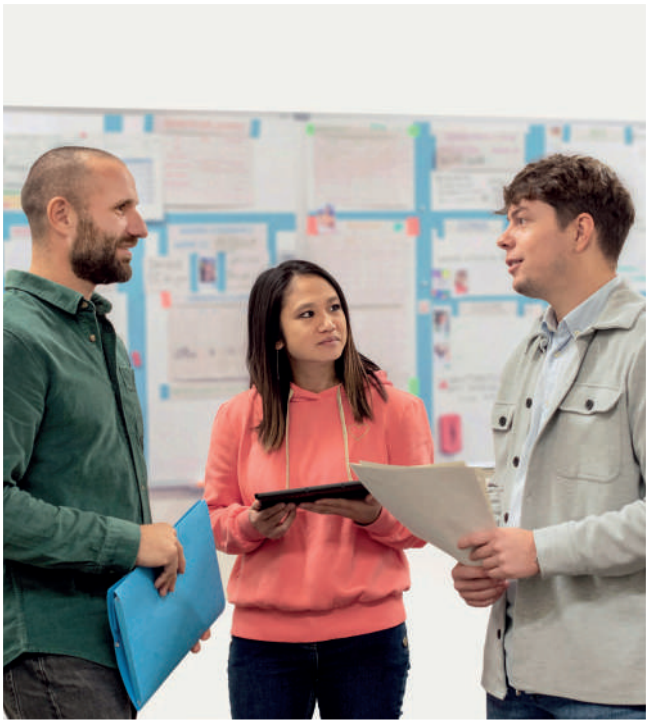
ISO 9001:2015 is the reflect of the daily efforts of the team and of our commitment for continuous progress on all fields (work organization, internal and external communication, help guidelines…). The ambitious quality project of reorganizing the company as requested by the standards was successfully achieved and filtraTECH obtained its certification in 2018 by SGS, giving the company an international outreach.

Shall our partners be associates, suppliers, employees or service providers, they can rest assured that we are fully committed to the satisfaction and fulfilment of all. Quality is truly and sustainably at the very heart of filtraTECH's philosophy.

Process compliance & continuous quality control

In order to guarantee the best quality of our services and products, we detailed every step of your order (order receipt, manufacture, preparation, shipment, billing, complaint) in processes. The different described procedures make it possible to ensure that the treatment will be identical regardless of the operator.

The procedures implemented at filtraTECH involve quality control at all stages of manufacturing: visual inspection, quantitative verification and compliance with both customer and internal specifications. In the event of a complaint, it is therefore easy to identify its cause and deal with it efficiently in order to avoid replicating any incidents.

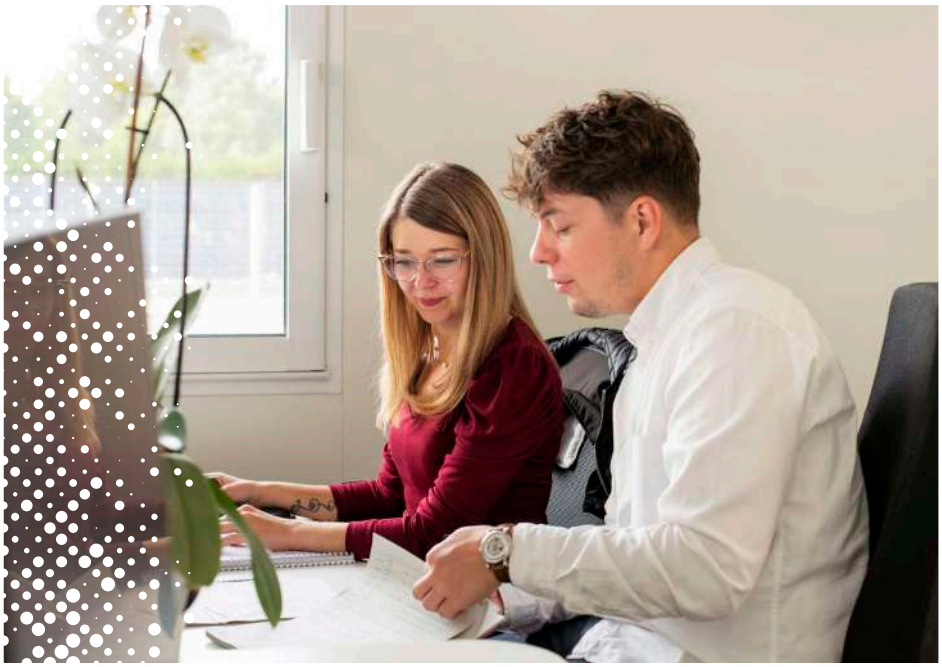


Traceability

The filtering products of our range meet well-defined technical characteristics. We only work with suppliers capable of meeting these requirements and guaranteeing the reliability and durability of the products.

From the receipt of raw materials to the delivery of finished products in your warehouses, we rigorously monitor each stage of manufacturing and preparation of your orders and a batch number traces each item.

For any query, write to quality@filtratech.fr, our quality manager will happily answer you.





Distributing filtraTECH products is not only about choosing high quality products with reasonable pricing, it is asking for efficient and complete service, strong quality management and customer-oriented strategy.

Beyond mainstream products

Our catalogue covers a wide range of filtration products and therefore applications. However, if you do not find the product you need in our range, we will work with our suppliers to find the product that will give you the most satisfying alternative. In the same spirit, we develop and design cutting tools for less common formats. All you have to do is specify your needs or send us your technical drawing and we will manufacture the right tool.
Our expertise is not limited to cutting, we also know how to innovate in folding, packaging... Do not hesitate to consult us for your special requests.

Strong services

Maximized stock

Our financial independence guarantees the freedom to choose the strategy that we think is most customer-oriented: we conduct a policy of high levels of stocks in order to reduce the lead time as much as possible. For over 90% of the best-selling references, we guarantee sufficient stock levels to be able to deliver your orders as quickly as possible (average lead time: 2 weeks).





Short response times

With your satisfaction as our core priority, we know that waiting time for a quote or any other piece of information can make you lose business. That is why we are committed to confirm your orders within 48 hours. Requests for documentation (catalogue, data sheet, safety data sheet, price request…) are treated with the same rigor.

Should you have to respond quickly to a tender, you can count on us to support you in closing your deals. Our availability and responsiveness are the keys to your satisfaction.

Optimized order flow

To facilitate your inventory management and reduce your transport costs, we apply as much as possible the consolidation of your orders into a single shipment, fully or partially. This allows you to serve your customers faster. Whenever a request is urgent (your customer is out of stock), we know how to make express dispatches to help you out. Do not hesitate to contact us.

Serving distributor brands

Our marketing strategy is to serve yours and promote your image to strengthen your commercial ties with your customers. We offer all our distributors the option of choosing their own distributing brand. Your logo and item codes are highlighted, which makes it easier for your customers to replenish their consumable stocks.

Commercial relationships

Based on cooperation, we develop strong relationships with our partners and put our skills at the service of our distributors. We assist you in choosing items and adapting solutions to user needs. We can even train your sales force and provide you with all the commercial support you need.

Need a sample for a new customer or for a tender ? Simply send your requests to the sales department: sales@filtratech.fr.

We are a group committed to taking positive action to protect our ecosystem, the environment and by extension the planet. This responsibility is a value rooted in the company and is reflected in concrete daily actions. It is therefore one of the pillars of our quality management system.



Social responsibility

Our main responsibility is to the women and men who work for us. filtraTECH is a company that enhances the well-being and fulfilment of its employees.

We have trained and appointed an internal risk prevention officer for musculoskeletal disorders, this person leads a working group of volunteers who propose preventive measures to reduce work-related risks.

With women representing two thirds of the team, we believe in equality between women and men and ensure that people's professional and personal lives are balanced. This has resulted in the introduction of a 4-day week, with original and specific arrangements tailored to preserve filtraTECH needs, a way of finding time for oneself without impacting on the way the company operates.

Collective commitments

Because we believe in the strength of the area in which we operate, we are convinced of the need to work with local players: suppliers, institutions and associations. We have made it our mission to create local jobs, to train and upskill people outside the industry and to support original projects.

For example, we had the pleasure of working with two young people benefiting from reintegration coaching to create a decorative fresco that brightens up our car park. The painting is visible from the street, which is close to one of the city's priority neighbourhoods.

As a host of the *Bureaux du Cœur* association, we provide temporary accommodation for people without permanent housing, enabling them to regain some dignity and stability and facilitating their recovery or reintegration.

Taking action to preserve tomorrow

Caring for the planet and reducing our CO_2 emissions are part of the company's key pillars.

Encouraging soft mobility, encouraging the switch to electric vehicles, reducing lorry movements by modifying our logistics plans, installing photovoltaic panels, insulating buildings and replacing neon lighting with LEDs are just some of the ideas that have emerged from our collective efforts over the past few years and which have enabled us to drastically reduce our consumption and CO_2 emissions.

To protect biodiversity, we keep mowing to a minimum and have planted wildflowers, much to the delight of the bee colony in our company hive.

This is why filtraTECH joined the *Centre des Jeunes Dirigeants*, a collective of professionals whose aim is to put the economy at the service of the living world and the club *Les Entreprises s'engagent*, a group of companies which are committed to making an inclusive and sustainable impact.

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Standard filter papers ST

Standard filter papers are made with cellulose and are used in various fields (education, chemistry, food industry, microbiology...) depending on the required fineness filtration.





	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
ST60 // Whatman : 93	Economical, medium filtration, basic analyses, suitable in education for bench protection			
	64	0.15	10-20	30
ST61 // Whatman : 1	Most popular use, medium to fast filtration, all laboratory works			
	73	0.16	5-13	35
ST62 // Whatman : 114	Fast filtration, oenological analyses			
	73	0.17	17-30	15
ST64 // Whatman : 113	Creped, very fast filtration, viscous liquids and coarse particles			
	120	0.35	30-40	10
ST67	Very thin filter paper, fast filtration, basic analyses			
	50	0.12	17-30	15







Size (mm)	ST60	ST61	ST62	ST64	ST67
42.5	ST60A00425C	ST61A00425C	ST62A00425C		
47	ST60A0047C	ST61A0047C	ST62A0047C	ST64A0047L	
55	ST60A0055C	ST61A0055C	ST62A0055C	ST64A0055L	
70	ST60A0070C	ST61A0070C	ST62A0070C	ST64A0070L	
90	ST60A0090C	ST61A0090C	ST62A0090C	ST64A0090L	
100	ST60A0100C	ST61A0100C	ST62A0100C		
110	ST60A0110C	ST61A0110C	ST62A0110C	ST64A0110L	
125	ST60A0125C	ST61A0125C	ST62A0125C	ST64A0125L	
130	ST60A0130C		ST62A0130C		
150	ST60A0150C	ST61A0150C	ST62A0150C	ST64A0150L	
185	ST60A0185C	ST61A0185C	ST62A0185C	ST64A0185L	
190	ST60A0190C	ST61A0190C	ST62A0190C		
210	ST60A0210C	ST61A0210C	ST62A0210C		
240	ST60A0240C	ST61A0240C	ST62A0240C	ST64A0240L	ST67A0240D
250	ST60A0250C	ST61A0250C	ST62A0250C		
270	ST60A0270C	ST61A0270C	ST62A0270C		
320	ST60A0320C	ST61A0320C			
330	ST60A0330C		ST62A0330C		
400	ST60A0400C	ST61A0400C	ST62A0400C		
500	ST60A0500C	ST61A0500C	ST62A0500C	ST64A0500L	



70	ST60P0070C	ST61P0070C	ST62P0070C		
100	ST60P0100C	ST61P0100C	ST62P0100C		
110	ST60P0110C	ST61P0110C	ST62P0110C		
130	ST60P0130C	ST61P0130C	ST62P0130C	ST64P0125C	
150	ST60P0150C	ST61P0150C	ST62P0150C	ST64P0150C	
190	ST60P0190C	ST61P0190C	ST62P0190C	ST64P0185C	
210	ST60P0210C	ST61P0210C	ST62P0210C		
250	ST60P0250C	ST61P0250C	ST62P0250C	ST64P0240C	
270	ST60P0270C	ST61P0270C	ST62P0270C		
330	ST60P0330C	ST61P0330C	ST62P0330C	ST64P0320C	
400	ST60P0400C	ST61P0400C	ST62P0400C		
500	ST60P0500C	ST61P0500C	ST62P0500C	ST64P0500C	



400 x 400	ST60F4040Z				ST67F4040Z ST67F4040D
420 x 520	ST60F4252C ST60F4252D				
450 x 450	ST60F4545C	ST61F4545D			
460 x 570	ST60F4657C	ST61F4657C			
500 x 500	ST60F5050C ST60F5050D	ST61F5050C ST61F5050D	ST62F5050C ST62F5050D		
520 x 520	ST60F5252C ST60F5252D		ST62F5252D		
580 x 580	ST60F5858C ST60F5858D	ST61F5858C ST61F5858D	ST62F5858C ST62F5858D	ST64F5858C ST64F5858D	ST67F5858D
600 x 600	ST60F6060C ST60F6060D	ST61F6060C	ST62F6060D		



420 x 520	ST60M4252W ST60M4252L ST60M4252D				



SALES RECOMMENDATION

How to choose standard or qualitative filter paper?

More questions? Ask for samples at sales@filtratech.fr

SAMPLE

Need for reliable or reproducible results

YES

Gravimetric analysis?

YES

See the **Quantitative range « QT »** page 14

NO

Qualitative range « QL » page 11

High filtration rate expected?

YES

QL01
QL02

NO

Fine or precious substances analysis ?

YES

QL04
QL05
QL08

NO

QL03

NO

Standard range « ST » page 8

Economical paper required

ST60
ST67
ST64

High-quality paper required

ST61
ST62

Qualitative analytical filters QL

Qualitative filter papers are made with purified cellulose (ashless rate 0.06%). Used in laboratories to separate solids from liquids precisely, without quantifying its concentration, it is used in various fields (education, chemistry, food industry, microbiology…). There are different pore sizes and filtration speeds depending on the uses.



	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
QL01 // Whatman : 4	Very fast filtration, adapted to turbid or viscous solutions			
	80	0.21	15-20	10
QL02 // Whatman : 597	Fast filtration, good retention capacity for semi-fine particles			
	88	0.18	12-15	20
QL03 // Whatman : 2	Medium filtration, general laboratory works			
	87	0.18	8-12	50
QL04 // Whatman : 6	Slow filtration, separation of fine precipitates (chemical, food industries...)			
	80	0.16	4-7	100
QL05 // Whatman : 5	Very slow filtration, removal of very fine particles before sensitive analyses (spectrometry, microbiology, pharmaceutical industry)			
	80	0.16	2-4	200
QL08	Very slow filtration, delicate separation of precipitates in drugs preparation			
	100	0.19	1-3	300

Size (mm)	QL01	QL02	QL03	QL04	QL05	QL08
45	QL01A0045C	QL02A0045C	QL03A0045C	QL04A0045C		
47	QL01A0047C	QL02A0047C	QL03A0047C	QL04A0047C	QL05A0047C	
55	QL01A0055C	QL02A0055C	QL03A0055C	QL04A0055C	QL05A0055C	
70	QL01A0070C	QL02A0070C	QL03A0070C	QL04A0070C	QL05A0070C	QL08A0070C
90	QL01A0090C	QL02A0090C	QL03A0090C	QL04A0090C	QL05A0090C	QL08A0090C
100	QL01A0100C	QL02A0100C	QL03A0100C	QL04A0100C	QL05A0100C	QL08A0100C
110	QL01A0110C	QL02A0110C	QL03A0110C	QL04A0110C	QL05A0110C	QL08A0110C
125	QL01A0125C	QL02A0125C	QL03A0125C	QL04A0125C	QL05A0125C	QL08A0125C
150	QL01A0150C	QL02A0150C	QL03A0150C	QL04A0150C	QL05A0150C	QL08A0150C
185	QL01A0185C	QL02A0185C	QL03A0185C	QL04A0185C	QL05A0185C	QL08A0185C
200	QL01A0200C	QL02A0200C	QL03A0200C	QL04A0200C	QL05A0200C	QL08A0200C
210	QL01A0210C	QL02A0210C	QL03A0210C	QL04A0210C	QL05A0210C	
240	QL01A0240C	QL02A0240C	QL03A0240C	QL04A0240C	QL05A0240C	QL08A0240C
270	QL01A0270C	QL02A0270C	QL03A0270C	QL04A0270C	QL05A0270C	
320	QL01A0320C	QL02A0320C	QL03A0320C	QL04A0320C	QL05A0320C	
400	QL01A0400C	QL02A0400C	QL03A0400C	QL04A0400C	QL05A0400C	
500	QL01A0500C	QL02A0500C	QL03A0500C	QL04A0500C	QL05A0500C	

70	QL01P0070C	QL02P0070C	QL03P0070C	QL04P0070C	QL05P0070C	
90	QL01P0090C	QL02P0090C	QL03P0090C	QL04P0090C	QL05P0090C	
110	QL01P0110C	QL02P0110C	QL03P0110C	QL04P0110C	QL05P0110C	
125	QL01P0125C	QL02P0125C	QL03P0125C	QL04P0125C	QL05P0125C	QL08P0125C
150	QL01P0150C	QL02P0150C	QL03P0150C	QL04P0150C	QL05P0150C	QL08P0150C
185	QL01P0185C	QL02P0185C	QL03P0185C	QL04P0185C	QL05P0185C	QL08P0185C
210	QL01P0210C	QL02P0210C	QL03P0210C	QL04P0210C	QL05P0210C	
240	QL01P0240C	QL02P0240C	QL03P0240C	QL04P0240C	QL05P0240C	QL08P0240C
270	QL01P0270C	QL02P0270C	QL03P0270C	QL04P0270C	QL05P0270C	
320	QL01P0320C	QL02P0320C	QL03P0320C	QL04P0320C	QL05P0320C	
400	QL01P0400C	QL02P0400C	QL03P0400C	QL04P0400C	QL05P0400C	QL08P0400C
500	QL01P0500C	QL02P0500C	QL03P0500C	QL04P0500C	QL05P0500C	QL08P0500C

460 x 570	QL01F4657C	QL02F4657C	QL03F4657C	QL04F4657C	QL05F4657C	
580 x 580	QL01F5858C	QL02F5858C	QL03F5858C	QL04F5858C	QL05F5858C	

w = 50 mm L = 100 m			QL03R0050_100l			







SALES RECOMMENDATION

How to choose quantitative filter paper?

More questions? Ask for samples at sales@filtratech.fr

SAMPLE

Gravimetric analysis required

NO → See the **Qualitative range « QL »** page 11

YES

Strongly acidic or alkaline precipitate ?

YES

Reinforced quantitative range « QT5 » page 16

Fine sample

YES → QT55

NO

Viscous, colloidal or gelatinous sample

YES → QT51

NO → QT53

NO

Quantitative range « QT4 » page 14

Fine sample

YES → QT44 QT45 QT46

NO

Viscous, colloidal or gelatinous sample

YES → QT41 QT42

NO → QT43

Specific lipid analysis → QT49

Quantitative filter papers (ashless) QT4

Ashless quantitative filter papers are made with highly pure cellulose (cotton linters) and have undergone acid treatment to remove all mineral impurities. After calcination, the ash content is extremely low (0.01%), ensuring the analytical results reliability.



	Colour coding	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
QT41 // Whatman : 41		Very fast filtration of coarse precipitates such as iron hydroxide or aluminium hydroxide			
	●	80	0.20	25-30	9
QT42 // Whatman : 43		Fast filtration used in gravimetric analyses requiring a compromise between filtration speed and particle retention			
	○	84	0.20	20-25	27
QT43 // Whatman : 40		Medium filtration, most popular use, good retention capacity, routine gravimetric analyses (barium sulphate, calcium oxalate or lead sulphide)			
	●	84	0.20	14-18	55
QT44 // Whatman : 44		Slow filtration, ideal for the separation of fine precipitates (chemical, food industries...)			
	●	74	0.16	7-9	100
QT45 // Whatman : 42		Very slow filtration, used for removal of very fine particles before sensitive analyses (spectrometry, microbiology, pharmaceutical industry)			
	●	84	0.17	2-4	140
QT46		Thick paper, very slow filtration, delicate separation of precipitates in drugs preparation			
	●	100	0.20	2-3	195
QT49 // Whatman : 589/4		Fast filtration, with additional chemical treatment, low fat content, determination of grease content in dairy products (milk, cheese)			
	●	82	0.17	8-12	20

Size (mm)	QT41	QT42	QT43	QT44	QT45	QT46	QT49
12.7	QT41A00127M	QT42A00127M	QT43A00127M	QT44A00127M	QT45A00127M		
45	QT41A0045C	QT42A0045C	QT43A0045C	QT44A0045C	QT45A0045C		QT49A0045C
47	QT41A0047C	QT42A0047C	QT43A0047C	QT44A0047C	QT45A0047C		
55	QT41A0055C	QT42A0055C	QT43A0055C	QT44A0055C	QT45A0055C	QT46A0055C	QT49A0055C
70	QT41A0070C	QT42A0070C	QT43A0070C	QT44A0070C	QT45A0070C	QT46A0070C	QT49A0070C
90	QT41A0090C	QT42A0090C	QT43A0090C	QT44A0090C	QT45A0090C	QT46A0090C	QT49A0090C
100	QT41A0100C	QT42A0100C	QT43A0100C	QT44A0100C	QT45A0100C	QT46A0100C	
110	QT41A0110C	QT42A0110C	QT43A0110C	QT44A0110C	QT45A0110C	QT46A0110C	QT49A0110C
125	QT41A0125C	QT42A0125C	QT43A0125C	QT44A0125C	QT45A0125C	QT46A0125C	QT49A0125C
135	QT41A0135C	QT42A0135C	QT43A0135C	QT44A0135C	QT45A0135C		
150	QT41A0150C	QT42A0150C	QT43A0150C	QT44A0150C	QT45A0150C	QT46A0150C	QT49A0150C
185	QT41A0185C	QT42A0185C	QT43A0185C	QT44A0185C	QT45A0185C	QT46A0185C	QT49A0185C
210	QT41A0210C	QT42A0210C	QT43A0210C	QT44A0210C	QT45A0210C		
240	QT41A0240C	QT42A0240C	QT43A0240C	QT44A0240C	QT45A0240C	QT46A0240C	QT49A0240C
320	QT41A0320C	QT42A0320C	QT43A0320C	QT44A0320C	QT45A0320C		

70	QT41P0070C	QT42P0070C	QT43P0070C	QT44P0070C	QT45P0070C		
90	QT41P0090C	QT42P0090C	QT43P0090C	QT44P0090C	QT45P0090C		
110	QT41P0110C	QT42P0110C	QT43P0110C	QT44P0110C	QT45P0110C		QT49P0110C
125	QT41P0125C	QT42P0125C	QT43P0125C	QT44P0125C	QT45P0125C		QT49P0125C
150	QT41P0150C	QT42P0150C	QT43P0150C	QT44P0150C	QT45P0150C		QT49P0150C
185	QT41P0185C	QT42P0185C	QT43P0185C	QT44P0185C	QT45P0185C		QT49P0185C
240	QT41P0240C	QT42P0240C	QT43P0240C	QT44P0240C	QT45P0240C		QT49P0240C
320	QT41P0320C	QT42P0320C	QT43P0320C	QT44P0320C	QT45P0320C		

580 x 580	QT41F5858C	QT42F5858C	QT43F5858C	QT44F5858C	QT45F5858C		



Reinforced quantitative filters QT5

These quantitative filter papers have undergone specific treatments (reinforcement with a resin) to meet the specific requirements of some applications.

	Colour coding	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
QT51 // Whatman : 541	Very fast filtration				
	●	80	0.20	25-30	9
QT53 // Whatman : 540	Medium filtration				
	●	84	0.20	14-18	55
QT55 // Whatman : 542	Very slow filtration				
	●	84	0.17	2-4	140

Size (mm)	QT51	QT53	QT55
47	QT51A0047C		
55	QT51A0055C	QT53A0055C	QT55A0055C
70	QT51A0070C	QT53A0070C	QT55A0070C
90	QT51A0090C	QT53A0090C	QT55A0090C
110	QT51A0110C	QT53A0110C	QT55A0110C
125	QT51A0125C	QT53A0125C	QT55A0125C
140	QT51A0140C		
150	QT51A0150C	QT53A0150C	QT55A0150C
185	QT51A0185C	QT53A0185C	QT55A0185C

125	QT51P0125C	QT53P0125C	QT55P0125C
150	QT51P0150C	QT53P0150C	QT55P0150C
185	QT51P0185C	QT53P0185C	QT55P0185C
240	QT51P0240C	QT53P0240C	QT55P0240C





Special filter papers FS

• Filters for sugar industry

These papers are designed for the filtration of sugar juices (cane juice, beet juice, syrups, molasses) throughout the sugar production process. Resistant to moisture and to the chemical agents present in the juices, they offer a high impurity retention capacity while maintaining a high flow rate.





	Weight (g/m²)	Aspect	Filtration speed	Application
FS90 // Whatman : 3002	64	Smooth	Very fast	Clarification of beet sugar juices before reading with the saccharimeter
FS91 // Whatman : 91	64	Creped	Fast	Clarification of cane sugar juices
FT105	185	Smooth	Slow	Filtration of sugar beet and cane juices after addition of lead acetate
FT108	85	Smooth	Slow	Sugar content analyses of sugar beets (Venema system)

Size (mm)	FS91	FT105
110	FS91A0110C	
125	FS91A0125C	
140	FS91A0140C	FT105A0140C
150	FS91A0150C	FT105A0150C
185	FS91A0185C FS91A0185D	
240	FS91A0240C FS91A0240D	

185	FS91P0185C	
240	FS91P0240C	

Size (mm)	FS90	FS91
210	FS90C0210Z	
215	FS90C0215Z	
225	FS90C0225Z	
250	FS90C0250Z	

580 x 580	FS90F5858D	FS91F5858D
600 x 600	FS90F6060D	

• Phase separating paper FS92

A phase separating filter paper is a silicone treated paper (hydrophobic agent) that selectively retains or blocks one phase, typically either the organic or aqueous phase, while allowing the other to pass through. It thus facilitates separation without the need for a separatory funnel.

	Weight (g/m²) DIN 53104	Thickness (mm)	Filtration speed (sec) DIN 53137
FS92 // Whatman : 1PS	85	0.17	25



Size (mm)	FS92
55	FS92A0055C
70	FS92A0070C
90	FS92A0090C
110	FS92A0110C
125	FS92A0125C
150	FS92A0150C
185	FS92A0185C
210	FS92A0210C
240	FS92A0240C

185	FS92P0185C
320	FS92P0320C
500	FS92P0500C

• Phosphate free filter papers FS93 - FS94

Phosphate free filter paper is manufactured without addition of phosphate compounds in its composition. Its use guarantees the absence of cross-contamination during filtration, thus ensuring the reliability of results during soil analyses.



	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
FS93	Medium / fast filtration			
	85	0.20	8-12	22
FS94 // Whatman : 512	Very slow filtration			
	76	0.16	2-3	200

• Nitrogen free filter paper FS96

Nitrogen-free filter paper is manufactured without nitrogen compounds. It is specially designed to guarantee the precision and reliability of nitrogen assays during quantitative analyses such as total nitrogen determination in food, biological or environmental samples according to the Kjeldahl method.



	Weight (g/m²) DIN 53104	Thickness (mm)	Filtration speed (sec)	Nitrogen content
FS96 // Whatman : 2095	85	0.17	100	≈ 0.05 mg / disc ø 110 mm

Size (mm)	FS96
90	FS96A0090C
110	FS96A0110C
125	FS96A0125C
150	FS96A0150C

Size (mm)	FS96
125	FS96P0125C
150	FS96P0150C
190	FS96P0190C

Size (mm)	FS96
100 x 100	FS96F1010C
120 x 120	FS96F1212C
200 x 200	FS96F2020C

• Filter paper for breweries and malt houses FS97

Embossed filter paper, medium-speed filtration suitable for analytical methods in breweries for filtration and analyses, according to EBC recommended procedures.

- Preparation of samples to determine malt extract
- Determination of coagulated proteins
- Removal of carbon dioxide and turbidity from beer



	Weight (g/m²) DIN 53104	Thickness (mm)	Filtration speed (sec)
FS97 // Whatman : 2555	75	0.17	15

Size (mm)	FS97
150	FS97A0150C
185	FS97A0185C
240	FS97A0240C

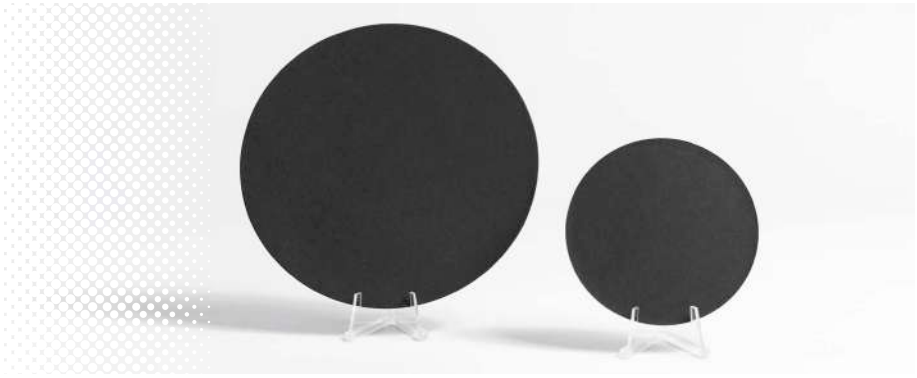
Size (mm)	FS97
240	FS97P0240C
270	FS97P0270C
320	FS97P0320C

• Black filter paper FS98

Black tinted filter paper is manufactured from cellulose and black dye. It facilitates the observation and detection of white or light coloured precipitates that would be difficult to see on white paper.

- Detection of silicon/fluorine traces
- Visualization of fungal mycelial filaments

	Weight (g/m²) DIN 53104	Thickness (mm)	Filtration speed (sec)
FS98 // Whatman : 551	85	0.17	45



Size (mm)	FS98
70	FS98A0070C
90	FS98A0090C
110	FS98A0110C
125	FS98A0125C
150	FS98A0150C
185	FS98A0185C

• Activated carbon filter paper FS99

This filter paper contains 35% activated carbon in its structure, which gives it absorption, purification, decolourization and odor elimination properties.

- Filtration of galvanic baths
- Clarification of biological fluids (dark urine)
- Decolourization of syrups, plant extracts



	Weight (g/m²) DIN 53104	Thickness (mm)	Filtration speed (sec)
FS99 // Whatman : 508	160	0.40	60

Size (mm)	FS99
55	FS99A0055C
70	FS99A0070C
90	FS99A0090C
110	FS99A0110C
125	FS99A0125C
140	FS99A0140C
150	FS99A0150C
185	FS99A0185C
210	FS99A0210C
240	FS99A0240C

Size (mm)	FS99
195 hole : 61	FS99A0195_1T61C
258 hole : 40	FS99A0258_1T40C
456 hole : 100	FS99A0456_1T100C

Size (mm)	FS99
600 x 600	FS99F6060C



SALES RECOMMENDATION

How to choose between glass or quartz microfibre?

More questions? Ask for samples at sales@filtratech.fr

SAMPLE

Liquid / air / gas filtration ? — NO → **Solid phase extraction, see Extraction thimbles range « ET »** page 26

YES

High efficiency filtration required? — NON → See ranges : **Standard « ST », Qualitative « QL », Quantitative « QT »** pages 8 to 16

YES

High load needed? — NO → See **Membranes « MF »** pages 45 to 49

YES

Glass / quartz microfibre range « FV / FQ » pages 22 to 25

Glass microfibre with binder (180°C maximum)

Air analysis	FV27
Gravimetric analysis	FV29
Support for balance cup	FV29

Glass microfibre without binder (500°C maximum)

Very fine particles	FV22 FV25
Suspended solids / water pollution	FV23 FV26
Air analysis	FV21 FV26
Biochemical analysis	FV23 FV26
Pre-filter for membranes	FV24
Large particles	FV24

Quartz microfibre (900°C maximum)

High temperature gravimetric analysis	FQ30

Glass / Quartz microfibre filters FV-FQ

• Binder-free glass microfibre



Binder-free glass microfibre filters are made from ultra-fine glass fibres without any added resins or binders, providing very high chemical purity.

Their unbonded structure offers excellent thermal resistance (up to 500°C), high retention capacity for finest particles, good air permeability and low loss on ignition, making them ideal for gravimetric analyses, gas or aerosol filtration and filtration of aggressive liquids (solvents except hydrofluoric acid).

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burnst strength (kPa)
FV21 // Whatman : GF/A	Air quality monitoring (PM10, PM2.5), biological or organic liquids				
	52	0.26	1.6	60	20
FV22 // Whatman : GF/B	Heavily loaded suspensions (sludge, industrial effluents) and viscous fluids (syrups, oils or biological extracts)				
	143	0.70	1.0	200	50
FV23 // Whatman : GF/C	Suspended solids (TSS), filtration of serum and biological fluids, ideal for herbal medicine				
	52	0.26	1.2	100	20
FV24 // Whatman : GF/D	Pre-filtration of heavily loaded and viscous liquids, protection to prevent membrane clogging				
	120	0.53	2.7	30	20
FV25 // Whatman : GF/F	Bacteria trapping, algae or spores, sample preparation for HPLC or GC, proteins and DNA/RNA filtration, moisture test carrier				
	75	0.45	0.7	310	50
FV26 // Whatman : 934 AH	Environmental monitoring of air and water, determination of BOD/COD, protein or enzyme filtration, cell cultures				
	65	0.28	1.5	60	50
FV28	Pre-filtration of industrial liquids (lubricants), pre-filtration in water treatment systems				
	264	1.60	3.5	-	-
FV31	Large solid particles (syrup, juice or other liquids), air filtration in industrial HVAC systems, battery separator				
	509	3.50	4.0	-	-
FV32	Very large particles (dust, metal residues)				
	162	1.06	8.0	-	-

Size (mm)	FV21	FV22	FV23	FV24	FV25	FV26
21	FV21A0021C		FV23A0021C		FV25A0021C	FV26A0021C
24	FV21A0024C	FV22A0024L	FV23A0024C		FV25A0024C	FV26A0024C
25	FV21A0025C	FV22A0025L	FV23A0025C	FV24A0025L	FV25A0025C	FV26A0025C
37	FV21A0037C	FV22A0037L	FV23A0037C		FV25A0037C	FV26A0037C
42.5	FV21A00425C		FV23A00425C			FV26A00425C
47	FV21A0047C	FV22A0047L	FV23A0047C	FV24A0047L	FV25A0047C	FV26A0047C
50	FV21A0050C	FV22A0050L	FV23A0050C		FV25A0050C	FV26A0050C
55	FV21A0055C	FV22A0055L	FV23A0055C	FV24A0055L	FV25A0055C	FV26A0055C
60	FV21A0060C		FV23A0060C			
70	FV21A0070C	FV22A0070L	FV23A0070C	FV24A0070L	FV25A0070C	FV26A0070C
90	FV21A0090C	FV22A0090L	FV23A0090C	FV24A0090L	FV25A0090L	FV26A0090C
100	FV21A0100C	FV22A0100W	FV23A0100C		FV25A0100L	FV26A0100C
110	FV21A0110C	FV22A0110W	FV23A0110C	FV24A0110W	FV25A0110L	FV26A0110C
125	FV21A0125C	FV22A0125W	FV23A0125C	FV24A0125W	FV25A0125L	FV26A0125C
150	FV21A0150C	FV22A0150W	FV23A0150C	FV24A0150W	FV25A0150L	FV26A0150C
185	FV21A0185L	FV22A0185W	FV23A0185L		FV25A0185L	
240	FV21A0240L	FV22A0240W	FV23A0240L	FV24A0240W	FV25A0240L	

60 x 90					FV25F0609C	FV26F0609C
80 x 115			FV23F0811C			
203 x 254	FV21F2025C	FV22F2025W			FV25F2025W	FV26F2025L
460 x 570	FV21F4657W		FV23F4657W			

FV28 - FV31 - FV32

Sizes on request



• Glass microfibre with binder

Glass microfibre filters with binder are made from very fine glass fibres bonded together by an organic or inorganic binder. This binder provides enhanced mechanical strength but limits the thermal resistance (180°C).

	Weight (g/m²) DIN 53104	Thickness (mm)	Property	Retention efficiency for 0.3 µm (%)	Retention (µm)
FV27 // Whatman : GF10	Air quality monitoring systems (heavy metals, atmospheric particles, dust, aerosols) and cleanliness testing of mechanical parts, hydraulic fluids or automotive components				
	73	0.40	Hydrophobic	99.9	-
FV29 // Whatman : GF6	Efficient capture of very fine particles for gravimetric or chemical analyses. Used as an absorbent support in balance weighing pans				
	73	0.35	Hydrophilic	-	0.60


FV27


FV29

• Quartz microfibre

Binder free quartz microfibre filters are made from highly pure silicon dioxide fibres (SiO_2), mechanically fused without any binder addition. Their structure consists exclusively of amorphous quartz microfibres, providing excellent thermal resistance (up to 900°C), exceptional chemical stability and an extremely low content of organic carbon.

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Retention efficiency for 0.3 µm (%)
FQ30 // Whatman : QM/A	Ambient air quality monitoring (PM10, PM2.5) organic and elemental carbon analyses, filtration of acidic or hot gases, high-temperature gravimetric analyses and industrial emissions measurements				
	85	0.43	1.50	60	99.999

Heavy metal traces (ppm)	As	Pb	Ni	Cd
	0.75	0.75	2	1.5

Size (mm)	FV27	FV29	FQ30
25	FV27A0025L	FV29A0025L	FQ30A0025L
37			FQ30A0037L
45			FQ30A0045L
47	FV27A0047L	FV29A0047L FV29A0047C	FQ30A0047L
50			FQ30A0050L
55	FV27A0055L FV27A0055C	FV29A0055L	FQ30A0055L
70	FV27A0070L	FV29A0070L FV29A0070C	FQ30A0070L
90	FV27A0090L FV27A0090C	FV29A0090L FV29A0090Q FV29A0090C	FQ30A0090L
100	FV27A0100L	FV29A0100L	
110	FV27A0110L	FV29A0110L	FQ30A0110L
125	FV27A0125L	FV29A0125L	FQ30A0125L
150	FV27A0150L	FV29A0150L	FQ30A0150L
100 x 100		FV29F1010C	
203 x 254			FQ30F2025W
w = 50 mm L = 100 m	FV27R0050_100I		



Extraction thimbles ET

C G Q

Extraction thimbles are devices used in laboratories for the preparation, purification or extraction of compounds, typically in solid-phase extraction (SPE) or Soxhlet extraction.



C **Cotton linters fibres ETC:**
(<120°C)

Made from pure cellulose (cotton linters), neutral and biodegradable, they are used for standard extractions (Soxhlet) in aqueous or mildly aggressive organic environment, such as fat extraction (food or soil).

Wall thickness: 1 mm

G **Glass microfibres ETG:**
(<500°C)

Made from binder-free glass fibres, these thimbles are inert, resistant to high temperatures (up to 500°C) and offer excellent chemical compatibility with organic solvents. They are used for hot filtrations, analytical extractions or trace pre-concentration (atmospheric pollutants, residues in water).

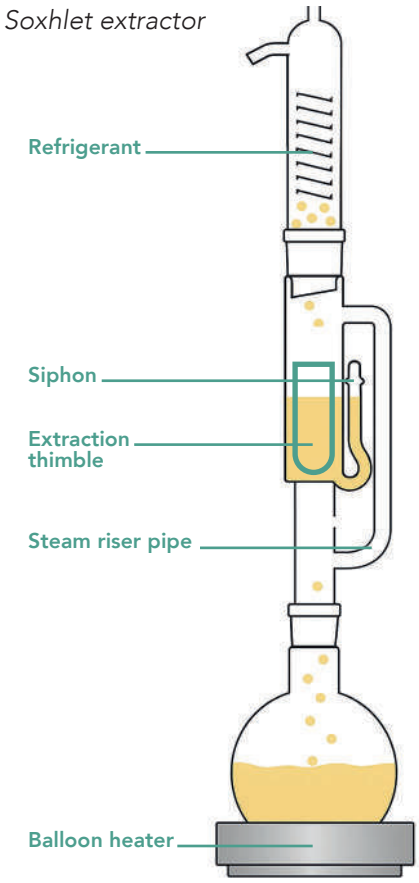
Wall thickness: 1.5-2 mm

Q **Quartz microfibres ETQ:**
(<900°C)

Made from binder-free quartz fibres, these thimbles are extremely low in contaminants and resistant to very high temperatures (up to 900°C). They are used for thermogravimetric analyses (TGA), heavy metal level analyses or volatile organic compound (VOC) testing.

Wall thickness: 2 mm

Soxhlet extractor



Size (mm)	C // Whatman : **2800**	G // Whatman : **2814**	Q // Whatman : **2812**
16 x 100	ETC16_100W		
19 x 90	ETC19_090W	ETG19_090W	
20 x 80	ETC20_080W		
22 x 60	ETC22_060W		ETQ22_065W
22 x 80	ETC22_080W	ETG22_080W	
22 x 90			ETQ22_090W
25 x 80	ETC25_080W	ETG25_080W	ETQ25_080W
25 x 100	ETC25_100W	ETG25_100W	ETQ25_100W
26 x 60	ETC26_060W	ETG26_060W	ETQ26_060W
27 x 80	ETC27_080W		
28 x 22	ETC28_022W		
28 x 80	ETC28_080W		
28 x 100	ETC28_100W		
28 x 120	ETC28_120W		
30 x 80	ETC30_080W	ETG30_080W	ETQ30_080W
30 x 100	ETC30_100W	ETG30_100W	ETQ30_100W
30 x 150	ETC30_150W		
33 x 60	ETC33_060W		
33 x 80	ETC33_080W	ETG33_080W	
33 x 94	ETC33_094W	ETG33_094W	
33 x 100	ETC33_100W		
33 x 118	ETC33_118W		
33 x 205	ETC33_205W		
34 x 130	ETC34_130W		
35 x 150	ETC35_150W	ETG35_150W	ETQ35_150W
37 x 130	ETC37_130W		
38 x 150	ETC38_150W		
41 x 123	ETC41_123W	ETG41_123W	
41 x 150	ETC41_150W		
43 x 123	ETC43_123W	ETG43_123W	ETQ43_123W
46 x 130	ETC46_130W		
48 x 180	ETC48_180W		
52 x 180		ETG52_180W	
58 x 170	ETC58_170W		
70 x 240	ETC70_240W		
80 x 200	ETC80_200W		
80 x 250	ETC80_250W		





Laboratory consumables

ABSORBENT PAPERS

• Bench protective paper PP

Surface protection papers are composed of an absorbent paper and a polyethylene-coated (PE) film. They are used to protect laboratory work surfaces against scratches, light impacts, splashes of aggressive liquids or contamination. Also used for the hygienic protection of cages for animals.



	Cellulose	PE film	Absorption capacity (ml/m²)
	Weight (g/m²)		
PP125 // Whatman : Benchkote	100	25	240
PP210	190	35	410



Size (mm)	PP125	PP210
420 x 520	PP125F4252C	
460 x 570	PP125F4657C PP125F4657L	PP210F4657L
500 x 600	PP125F5060C	PP210F5060L
w = 400 mm L = 50 m	PP125R0400_50I	
w = 460 mm L = 50 m	PP125R0460_50I	PP210R0460_50I
w = 490 mm L = 50 m	PP125R0490_50I	PP210R0490_50I
w = 600 mm L = 50 m	PP125R0600_50I	PP210R0600_50I
w = 920 mm L = 50 m	PP125R0920_50I	PP210R0920_50I

• Blotting papers PB

Blotting papers offer a wide range of applications thanks to their rapid absorption capacity and their composition, generally made of pure cellulose, notably in paper industry for measuring the water absorption of paper and board.

Traditional moulding method

In the paper industry, this grade is used to prepare sheets for physical testing in laboratories (according to ISO 5269). When assessing the distribution of fibres in a sheet of paper, this blotting paper serves as an absorbent medium during drying phase.

	Weight (g/m²)	Absorption (g/m²)
PB190	190	300

Cobb test

This grade measures the ability of paper or cardboard to absorb water using the Cobb method (according to ISO 535). The result depends on the amount of water absorbed (g/m²) and is determined by weighing the blotting paper before and after pouring a specified amount of water onto the material being tested in the Cobb tester.

	Weight (g/m²)	Absorption (g/m²)
PB255	255	490

Size (mm)	PB190	PB255
120 x 120		PB255F1212C
130 x 130	PB190F1313C	PB255F1313C
150 x 150	PB190F1515C	PB255F1515C
150 x 300	PB190F1530C	
160 x 160		PB255F1616C
170 x 170		PB255F1717C
200 x 200	PB190F2020C	PB255F2020C
220 x 220	PB190F2222C	PB255F2222C
250 x 250	PB190F2525C	PB255F2525C
250 x 300	PB190F2530C	PB255F2530C
300 x 300		PB255F3030C
330 x 330	PB190F3333C	PB255F3333C
400 x 400	PB190F4040C	PB255F4040C
500 x 500	PB190F5050C	PB255F5050C
500 x 650	PB190F5065C	PB255F5065C
680 x 680		PB255F6868C
250 x 1000	PB190F25100C	PB255F25100C
270 x 1000	PB190F27100C	PB255F27100C



• Seed test papers PG

Seed test papers are designed to assess the germination capacity of seeds. Moisture-resistant and pH-neutral, their absorbency ensures a constant and optimal humidity level, while preventing roots from penetrating the paper.

They comply with ISTA (International Seed Testing Association) standards and other national regulations.

3 application methods:

TP: top of paper **BP**: between paper (2 layers) **PP**: pleated paper

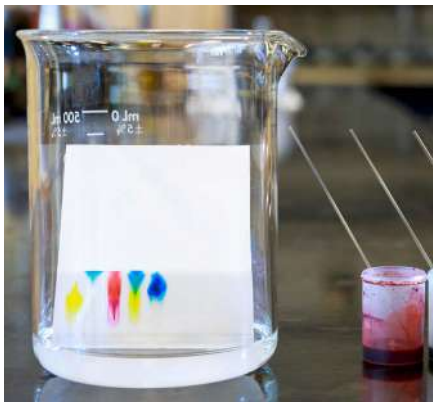
	Colour	Weight (g/m²) DIN 53104	Thickness (mm)	Method	Size (mm)	Item codes
PGW110 // Whatman : 3236		110	0.22	**TP**	90 110 120 x 180	PGW110A0090D PGW110A0110D PGW110F1218D
				PP	w = 110 L = 2000 (50 double folds)	PGW110P0110M
PGG110 // Whatman : 3014		120	0.22	**PP**	w = 110 L = 2000 (50 double folds)	PGG110P0110M
PGW155 // Whatman : 520B		155	0.55	**BP**	600 x 600	PGW155F6060C
PGW160 // Whatman : 3024		160	0.38	**TP**	90 100 x 150	PGW160A0090C PGW160F1015C
PGY170 // Whatman : 3645		165	0.34	**TP**	100 x 170	PGY170F1017C
PGB300 // Whatman: 3644		300	0.65	**TP**	80 x 100	PGB300F0810C



• Chromatography papers CH

Made from ultra-pure fibres (cotton linters), these papers are designed for use in paper chromatography techniques, a method for separating and analysing chemical mixtures (such as amino acids, sugars, dyes or pigments). When a mixture is applied to the paper and that solvent (the mobile phase) migrates through it by capillary action, the components of the mixture separate according to their respective affinities for the paper and the solvent.

The capillary rise is always higher in machine direction of the paper than the cross direction.



	Weight (g/m²) DIN 53104	Thickness (mm)	Capillary rise (mm/10 min)
CH51 // Whatman : 1CHR	Qualitative separation of small molecules, routine works in education, determination of malic acid presence in wine		
	90	0.20	120-130
CH53 // Whatman : 2CHR	Separation of water-soluble or slightly polar compounds in biological matrices, such as plant extracts or food samples		
	90	0.18	90-100
CH54 // Whatman : 20CHR	Separation of complex mixtures (amino acids, sugars, alkaloids, peptides...)		
	140	0.28	90-100
CH58 // Whatman : 3MMCHR	Support for electrophoresis analyses, blotting transfer paper (methods: Southern, Northern, Western blots)		
	180	0.36	90-100
CH59 // Whatman : 17CHR	Preparative chromatography for the retention of large particles, collection and preservation of biological samples		
	320	0.90	140-150

Size (mm)	CH51	CH53	CH54	CH58	CH59
100 x 300	CH51F1030C				
200 x 200	CH51F2020C			CH58F2020C	
460 x 570	CH51F4657C	CH53F4657C	CH54F4657C	CH58F4657C	CH59F4657L
580 x 600	CH51F5860C	CH53F5860C	CH54F5860C	CH58F5860C	CH59F5860W
w = 50 mm L = 100 m	CH51R0050_100I				

WEIGHING

• Weighing papers PE

Weighing papers are thin, flexible papers used in laboratories to hold and transfer solid or powdered samples during weighing on an analytical balance. Their purpose is to facilitate accurate weighing, prevent cross-contamination and protect the balance surface.

	Weight (g/m²) DIN 53104	Property
PE25	25	Easily crushable
PE45	45	Wet-strengthened paper Satin finish

Size (mm)	PE25	PE45
70 x 70	PE25F0707M	
76 x 76		PE45F0707D
95 x 110		PE45F0911C
100 x 100	PE25F1010M	PE45F1010D PE45F1010Z PE45F1010M
120 x 120	PE25F1212M	PE45F1212Z
150 x 150	PF25F1515M	PE45F1515D PE45F1515Z



• Paper weighing dishes NPP

Weighing dishes are made of parchment paper with a low nitrogen content and are small, lightweight, typically disposable containers used in laboratories to hold solid, liquid or paste-like substances during weighing on a balance. They are designed to facilitate sample transfer, prevent material loss, protect the balance and ensure accurate weighing.

filtraTECH's item: **NPP581010C**



• Aluminium weighing dishes NPA

Aluminium weighing dishes are small, lightweight, disposable containers used in laboratories to hold solid, liquid or paste-like samples during weighing. Made from thin aluminium, they are especially suitable for gravimetric analyses, high-temperature drying and thermal applications (desiccators), thanks to their excellent thermal conductivity and heat resistance.

Size (mm)	Height (mm)	NPA
56	7	NPA0056C
72		NPA0072C
93		NPA0093C



OPTICS

• Lens cleaning tissue OP

Lens cleaning tissues are made from 100% Manila fibres and are specially designed for the delicate cleaning of sensitive optical surfaces (lenses, microscopes, prisms and other optical components). They are lint-free, very soft and absorbent to prevent scratching, dust deposits or residues that could impair optical quality.

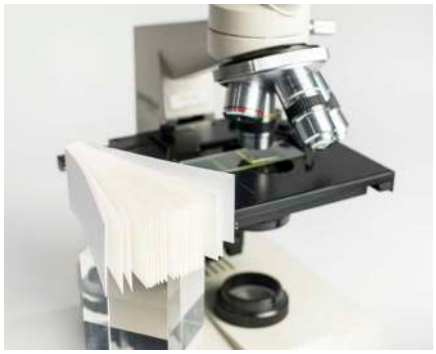
	Weight (g/m²) DIN 53104	Property
OP12	12	Economical version
OP13 // Whatman : 105	13	Premium grade, more resistant



Size (mm)	OP12	OP13
100 x 150	OP12F1015C	OP13F1015C
135 x 170	OP12F1317D	OP13F1317D
135 x 190	OP12F1319D	OP13F1319D
200 x 300	OP12F2030C	OP13F2030C
460 x 570	OP12F4657D	OP13F4657D
600 x 600	OP12F6060D	OP13F6060D
80 x 100	OP12L0810W	OP13L0810L
95 x 135	OP12L0913W	OP13L0913L
100 x 150	OP12L1015_25W	OP13L1015L

• Absorbent paper for microscope slides SL

The absorbent paper is specially designed for the delicate wiping of microscope slides. Its main function is to absorb extra liquids (water, reagents, stains) while preventing the fragile surface of the slides from scratches or damages.



	Weight (g/m²) DIN 53104	Thickness (mm)
SL73	73	0.17

Size (mm)	SL73
37 x 100	SL73L0310L

WIPING

• Joseph paper PJ



Joseph paper is a lint-free, soft, absorbent and durable paper designed for the delicate wiping of sensitive laboratory items (glassware, precision instruments, optical surfaces...), without scratching surfaces and for cleaning parts in industries such as microelectronics and precision mechanics without leaving any lint or particle.

Size (mm)	PJ
120 x 120	PJ25F1212D
150 x 150	PJ25F1515Q PJ25F1515D
350 x 500	PJ25F3550D PJ25F3550B

Size (mm)	PJ
350 x 500	PJ25M3550W PJ25M3550H PJ25M3550L PJ25M3550C PJ25M3550D PJ25M3550B

• Wiping papers ES

Wiping papers are a type of absorbent, disposable paper designed for cleaning, drying or wiping surfaces, tools or hands. It is commonly used in laboratories, medical facilities, industrial settings and households to remove liquids, dust, dirt or contaminants efficiently without scratching or damaging the surface.

Food quality:
white pure cellulose wadding, 19 g/m²

Standard quality:
white recycled cellulose wadding, 19 g/m²

Industrial quality:
orange recycled cellulose wadding, 22 g/m²
more resistant

	Size (mm)	Rolls	ES
Food	215 x 250	6	ESA050R2125T
	200 x 300	2	ESA100R2030P
Standard	200 x 300	6	ESS045R2030T
	260 x 300	2	ESS100R2630P
		2	ESS150R2630P
Industrial	260 x 300	2	ESI100R2630P
		2	ESI150R2630P



• Holder for cleaning paper SUP

Depending on your needs, 2 holders in white gloss finished steel with cutting systems are available for rolls (maximum width: 30 cm).

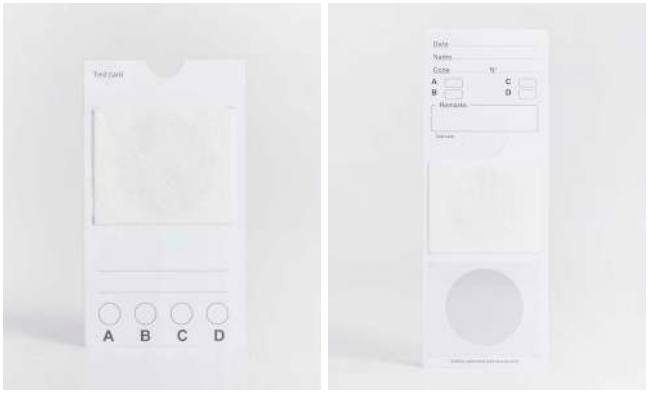
	SUP
Stand holder	SUPPIEDI
Wall holder	SUPMURALI





FILTERS FOR THE DAIRY INDUSTRY

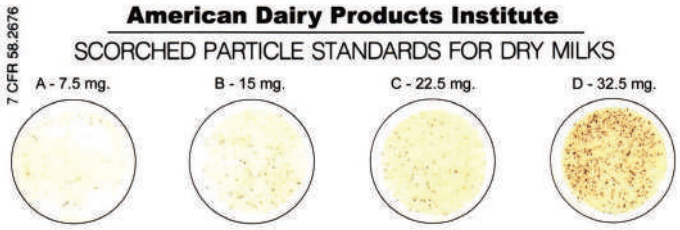
These non woven filters are made from synthetic fibres (viscose) that are bonded together mechanically, thermally or chemically, without being woven or knitted.
These grades are used for the qualitative analyses of milk powders, particularly to detect the presence of scorched or darkened particles resulting from spray drying during production, in accordance with international standards (ADMI Scorched Particle Test and ISO 5739).



• Filter card CF

	Size (mm)	CF110
Determination of sediments in milk powder, dairy products	45 x 80	CF110N4580D
Determination of scorched particles in milk powder according to ADMI method	57 x 155	CF110N57155D

CHART OF RESULT INTERPRETATION
(weight of scorched particles in milk powder)



• Non woven filter NT

	Weight (g/m²)	Thickness (mm)	Pore size (µm)	Water permeability (L/m²/min)	Air permeability (L/m²/min)
NT110	110	0.70	50	400	2200
NT130 // Whatman : 0048	130	1.20	45	370	1750



Size (mm)	NT110	NT130
32	NT110A0032M	NT130A0032M
35	NT110A0035M	
47	NT110A0047M	NT130A0047M
50 x 50	NT110F0505D	NT130F0505D

MEDICAL PRODUCTS

• Antibiotic test paper PA

This paper is made from pure cellulose (cotton linters), has a uniform absorption capacity and mechanical strength. It is used in microbiology to assess the sensitivity or resistance of bacteria to an antibiotic.



	Weight (g/m²) DIN 53104	Thickness (mm)
PA320 // Whatman : AA	320	0.90

Size (mm)	PA320
6	PA320A0006M
9	PA320A0009M
12.7	PA320A00127M
25	PA320A0025M

• Cytological analyses paper CY

This high-quality blotting paper is used to absorb excessive liquid during centrifugation technique, which aims to concentrate and deposit suspended cells (from blood, urine or biological fluid) onto a microscope slide to facilitate their observation.

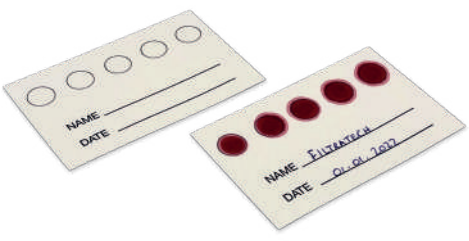


	Weight (g/m²) DIN 53104	Thickness (mm)	Absorption (ml/cm²)
CY430	430	0.90	6.8

Sizes on request

• Specimen collection paper BSC

This paper is made from pure cellulose (cotton linters); it is designed to absorb, retain and stabilize samples of biological fluids (blood, urine, saliva or other body fluids) during their collection, transport or analyses.



	Weight (g/m²) DIN 53104	Thickness (mm)	Water absorption (g/100 cm²)
BSC // Whatman : 903	182	0.47	3.35

The cards are customised according to the requirements of healthcare professionals.

• Sterilization paper PS

Creped surface, resistant paper that allows effective penetration of the sterilizing agent (steam or gases) to ensure complete sterilization, while preventing contamination of instruments after treatment. This special paper is used to wrap medical and surgical devices in sterilization processes according to the EN 868-2 standard.

	Colour	Weight (g/m²) DIN 53104	Thickness (mm)	Absorption Cobb (mm/10 min)	pH value	Air permeability (µm)
PSW60	○	60	0.16	16-18	6.12	43
PSG60	●	60	0.16	16-18	6.12	43



Size (mm)	PSW60 ○	PSG60 ●
300 x 300	PSW60F3030R	
500 x 500	PSW60F5050D	PSG60F5050D
600 x 600	PSW60F6060D	PSG60F6060D
600 x 900	PSW60F6090D	
750 x 750	PSW60F7575Z	PSG60F7575Z
900 x 900	PSW60F9090Z	PSG60F9090Z
1000 x 1000	PSW60F100100Z	PSG60F100100Z
1200 x 1200	PSW60F120120C	

• Sterilization indicator tape SIT

Creped surface paper incorporated with chemical indicators that change colour when autoclave sterilization conditions (temperature, time, steam exposure) are reached. Brown lines appear on the indicator paper after 20 minutes at 121°C and after 4 to 6 minutes at 132°C.
This paper complies with ISO 11140-1 Class 1 standard.

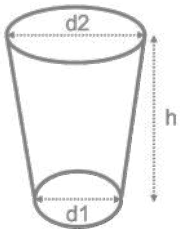
filtraTECH's item: **SIT019R_50I**

	Width (mm)	Length (m)	Colour	Colour after sterilization
SIT	19	50	light yellow lines	brown lines



STOPPERS

• Cellulose stoppers BOC



Cellulose wadding stoppers are made from 100% compacted cellulose fibres. They have a conical shape and are used to temporarily seal tubes, flasks, Erlenmeyer flasks and other laboratory containers, while allowing a certain level of air permeability. They are biodegradable, chemically inert and autoclavable (sterilizable).

Size (mm) d1 x d2 x h	Quantity	BOC
5 x 9 x 30	1000	BOC050930M
6 x 8.5 x 11		BOC060811M
7 x 11 x 30		BOC071130M
8 x 14 x 32		BOC081432M
9 x 12 x 30		BOC091230M
10 x 18 x 37		BOC101837M
11 x 16 x 32		BOC111632M
12 x 17 x 37		BOC121737M
12 x 18 x 42		BOC121842M
12 x 20 x 32		BOC122032M
13 x 18 x 32		BOC131832M
15 x 19 x 30		BOC151930M
16 x 20 x 30		BOC162030M
17 x 21 x 38		BOC172138M
18 x 22 x 30		BOC182230M
19 x 24 x 30		BOC192430M

Size (mm) d1 x d2 x h	Quantity	BOC
20 x 23 x 41	500	BOC202341D
23 x 28 x 30		BOC232830D
24 x 28 x 43	200	BOC242843Q
25 x 34 x 60		BOC253460Q
26 x 36 x 60		BOC263660Q
28 x 33 x63		BOC283363Q
29 x 38 x 60		BOC293860Q
30 x 40 x 40		BOC304040Q
30 x 42 x 55	100	BOC304255C
33 x 37 x 63		BOC333763C
35 x 36 x 40	200	BOC353640Q
35 x 40 x 60	100	BOC354060C
37 x 50 x 50		BOC375050C
39 x 61 x 63	50	BOC396163L
40 x 58 x 65		BOC405865L
58 x 65 x 70	25	BOC586570W





Test papers PH

Roll (sold in pack of 10)
Roll of 5 m of reagent paper, most frequently used product, sold with a non-slipping dispenser, easily cut with its small saw, packed in an aluminium foil to protect efficiently the reagent paper from air and light.

Refill pack
Pack of 3 rolls of 5 m each, hermetic protection of each roll to preserve its qualities, compatible with dispenser sold with rolls (with one extra colour scale).

Booklet of 100 strips
Precut strips of sufficient length for your analyses, economic and convenient to use.

Bottle of 10 booklets of 20 strips
Precut strips protected in strong ergonomic and hermetic bottle (tamper collar).

Pack of 100 plastic strips
Non-bleeding plastic strips (multiple reactive zones) for the best accuracy.

Liquid pH pack
Pack with reactive solution (30 ml bottle), colour scale and empty testing flask with cap.





Rolls


Booklets



Strips


Plastic strips


Liquid pH pack

• pH indicator papers

pH indicator papers are impregnated with mixtures of colour indicators that react to the pH of a solution. They allow a quick and precise measurement of pH in various fields such as school laboratories, food and chemical industries (quality control), agriculture (soil testing), swimming pools or aquariums and medicine (urine and saliva).

An acid-base reaction occurs at the contact with the tested solution and the colour of the indicator media changes according to the pH of the solution. The resulting colour is then compared to a provided colour scale.



Intervals	pH value scale per grade											
0 - 10	0	1	2	3	4	5	6	7	8	9	10	-
0.5 - 5.5	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	-
1 - 11	1	2	3	4	5	6	7	8	9	10	11	-
1 - 14	1	2	3	4	5	6	7	8	9	10	12	14
3.8 - 5.4	3.8	4.1	4.4	4.6	4.8	5.1	5.4	-	-	-	-	-
4.0 - 7.0	4	4.5	5	5.5	6	6.5	7	-	-	-	-	-
5.5 - 9.0	5.5	6	6.5	7	7.5	8	8.5	9	-	-	-	-
6.4 - 8.0	6.4	6.7	7	7.2	7.5	7.7	8	-	-	-	-	-
6.5 - 10	6.5	7	7.5	8	8.5	9	9.5	10	-	-	-	-
9.5 - 13	9.5	10	10.5	11	11.5	12	12.5	13	-	-	-	-

Intervals					
0 - 10	PHR010I	PHZ010U	PHL010C	PHS010Q	
0.5 - 5	PHR055I	PHZ055U	PHL055C	PHS055Q	PH055F2530C PH055F2530Z
1 - 11	PHR111I	PHZ111U	PHL111C	PHS111Q	
1 - 14	PHR114I	PHZ114U	PHL114C	PHS114Q	
3.8 - 5.4	PHR354I	-	PHL354C	PHS354Q	
4.0 - 7.0	PHR470I	-	PHL470C	PHS470Q	
5.5 - 9.0	PHR590I	PHZ590U	PHL590C	PHS590Q	
6.4 - 8.0	PHR680I	PHZ680U	PHL680C	PHS680Q	
6.5 - 10	PHR610I	-	-	PHS610Q	
9.5 - 13	PHR913I	PHZ913U	PHL913C	PHS913Q	
0.5 - 5 / 5.5 - 9.0 9.5 - 13.0	PHR113U				

• Reagent papers

Reagent papers are used for qualitative or semi-quantitative detection of chemical compound or ions during targeted analyses.

The colour change occurs thanks to the chemical reaction between the reagent and the tested substance.

Type	Colours					
Simple detection of an acidic or basic medium (schools, industries)						
Blue litmus	acid neutral basic ←	PHRTRSOLBI	PHZTRSOLBU	PHLTRSOLBC	PHSTRSOLBQ	PHTRSOLBF2020C
Neutral litmus	acid ← neutral → basic	PHRTRSOLNI		PHLTRSOLNC	PHSTRSOLNQ	
Red litmus	acid → neutral basic	PHRTRSOLRI	PHZTRSOLRU	PHLTRSOLRC	PHSTRSOLRQ	PHTRSOLRF2020C
Detection of chlorine, peroxides, ozone, monitoring of water disinfection						
Potassium ioded starched	negative test → positive test	PHRIOPOTAI	PHZIOPOTAU	PHLIOPOTAC	PHSIOPOTAQ	-
Analyses of strongly acidic pH, indicator for titrations						
Red congo	acid 3.0<pH<5.2 → basic	PHRCONGOI	-	PHLCONGOC	PHSCONGOQ	-
Detection of strong bases, monitoring of neutralization						
Phenolphtalein	pH < 8.4 → pH > 8.4	PHRPHENOLI	-	-	PHSPHENOLQ	-
Detection of H_2S in the air, presence of sulfides in aqueous solutions						
Lead acetate	→ H_2S presence	PHRACEPLOMI	-	PHLACEPLOMC	PHSACEPLOMQ	-



• pH indicator strips

Plastic pH indicator strips present multiple, clearly separated test zones, each zone is impregnated with specific chemical dyes or indicators. Thanks to a non-bleeding design, the reagents do not leach into the tested solution during measurement, preventing sample contamination.
This technology ensures a sharper, more accurate colour interpretation enhancing a more reliable pH determination, especially in sensitive or small-volume samples.

Intervals	pH value scale per grade															Nb of coloured zones	
0.5 - 5	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	-	-	-	-	-	2	PHPS055C
2 - 9	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	2	PHPS290C
5.5 - 9	5.5	6	6.5	7	7.5	8	8.5	9	-	-	-	-	-	-	-	2	PHPS590C
9.5 - 13	9.5	10	10.5	11	11.5	12	12.5	13	-	-	-	-	-	-	-	2	PHPS913C
0 - 14	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	4	PHPS114C
0 - 6	0	1	2	3	4	5	6	-	-	-	-	-	-	-	-	2	PHPS060C
7 - 14	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	2	PHPS714C
4.5 - 9	4.5	5.0	5.5	5.75	6.0	6.25	6.5	6.75	7.0	7.25	7.5	8	8.5	9	-	2	PHPSDIAGC



• Liquid pH pack

The liquid pH test kit is a simple, economical and reliable tool for measuring the pH of an aqueous solution within a range of 4.0 to 8.0, in fields such as hydroponics, aquariums, agriculture, education…
With only a small volume of the solution to be tested, a few drops of the reagent are enough to determine the pH value by comparing the colour obtained to the provided colour chart.

filtraTECH's item: **PHK480I**

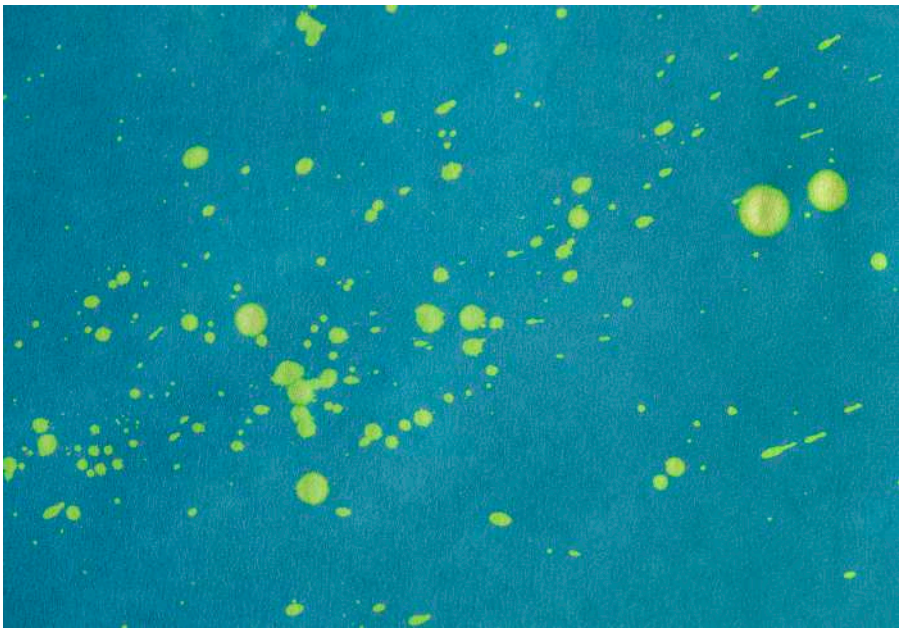




Packing info:
Included:
- 30 ml bottle of reactive solution (≈ 200 tests)
- colour scale
- empty flask + cap

• Printed circuit board control paper (PCB)

This indicator paper, impregnated with a colour reagent, is used to verify that the cleaning spray has been properly applied to the printed circuit.
The paper changes from blue to yellow, revealing the areas where acid has been applied to the PCB.



Size (mm)	PH055
254 x 300	PH055F2530C PH055F2530Z



SALES RECOMMENDATION

How to choose a membrane or a syringe filter?

More questions? Ask for samples at sales@filtratech.fr

SAMPLE

Type of analysis?

- Liquid
  - Aqueous
    - General filtration (low protein content) → **PES**
    - Analysis of epifluorescent particles → **MCE NC**
    - Analysis of microbiological particles → **MCE**
    - General microbiology → **PC**
    - Cell culture → **CA**
    - Solvent mixtures → **NY PTFE & RC**
  - Solvents
    - Polar (Hydrophobic membranes) → **PTFE**
    - Non-polar (Hydrophilic membranes)
      - **NY**
      - **RC**
- Gaseous → **PTFE** **MCE** **PC**

Membrane filters MF

White, plain, non sterile

White, plain, sterile

White, black gridded, sterile

Black, white gridded, sterile

Black, plain, non sterile

• CA - Cellulose acetate

Cellulose acetate membranes are made from natural cellulose derivatives. They are hydrophilic and offer good chemical compatibility along with low protein binding.
They are used in laboratories for sterile filtration of aqueous solutions (cell culture, buffers, media), sample preparation for HPLC analyses, dialysis or controlled diffusion separation...

Other diameters available on request



Pore size (µm)	0.22	0.45	0.65	0.80	1.20	5.00
Flow rate for Ø 47 mm (mL/min/cm²@10psi)	9-31	33-46	45-55	85-102	110-125	280-320
Bubble point (psi)	47-71	32-36	25-32	19-22	16-19	8-10

Ø (mm)	0.22 µm	0.45 µm	0.65 µm	0.80 µm	1.20 µm	5.00 µm
25	MF025CA022C	MF025CA045C	MF025CA065C	MF025CA080C	MF025CA120C	MF025CA500C
47	MF047CA022C	MF047CA045C	MF047CA065C	MF047CA080C	MF047CA120C	MF047CA500C
50	MF050CA022C	MF050CA045C	MF050CA065C	MF050CA080C	MF050CA120C	MF050CA500C
90	MF090CA022C	MF090CA045C	MF090CA065C	MF090CA080C	MF090CA120C	MF090CA500C

47	MF047CA022SC	MF047CA045SC

• MCE - Mixed cellulose esters

Mixed cellulose esters (MCE) membranes are made from a blend of cellulose acetate and cellulose nitrate. They are hydrophilic, offer good chemical compatibility and have low protein binding.
They are used for microbiological analyses (colony counting in water, beverages), particle and aerosol collection (dust, pollutants), sterile filtration of aqueous solutions...

Other diameters available on request

Pore size (µm)	0.22	0.45	0.65	0.80	1.20	3.00	5.00	8.00
Flow rate for Ø 47 mm (mL/min/cm²@10psi)	12-18	38-71	45-58	87-135	85-121	210-320	280-350	300-360
Bubble point (psi)	52-65	29-40	28-33	16-19	12-14	8-11	7-10	7-8

Ø (mm)	0.22 µm	0.45 µm	0.65 µm	0.80 µm	1.20 µm	3.00 µm	5.00 µm	8.00 µm
25	MF025ME022C	MF025ME045C	MF025ME065C	MF025ME080C	MF025ME120C	MF025ME300C	MF025ME500C	MF025ME800C
37	MF037ME022C	MF037ME045C	MF037ME065C	MF037ME080C	MF037ME120C	MF037ME300C	MF037ME500C	MF037ME800C
47	MF047ME022C	MF047ME045C	MF047ME065C	MF047ME080C	MF047ME120C	MF047ME300C	MF047ME500C	MF047ME800C
50	MF050ME022C	MF050ME045C	MF050ME065C	MF050ME080C	MF050ME120C	MF050ME300C	MF050ME500C	MF050ME800C
90	MF090ME022C	MF090ME045C	MF090ME065C	MF090ME080C	MF090ME120C	MF090ME300C	MF090ME500C	MF090ME800C
47	MF047ME022SC	MF047ME045SC		MF047ME080SC	MF047ME120SC	MF047ME300SC		MF047ME800SC
50	MF050ME022SC	MF050ME045SC			MF050ME120SC			
47	MF047ME022GSC	MF047ME045GSC		MF047ME080GSC	MF047ME120GSC			MF047ME800GSC
50	MF050ME022GSC	MF050ME045GSC		MF050ME080GSC	MF050ME120GSC			MF050ME800GSC
47		MF047ME045BGSC		MF047ME080BGSC				MF047ME800BGSC
50		MF050ME045BGSC		MF050ME080BGSC				MF050ME800BGSC
47		MF047ME045BC						MF047ME800BC
50		MF050ME045BC						MF050ME800BC





• MCE - Continuous membranes

To complete the range of MCE membrane filters, filtraTECH also offer sterile gridded continuous membranes, compatible with our membrane distributor as well as other brands machines.

All packages contain 150 units
Other diameters available on request

Ø (mm)	0.22 µm	0.45 µm	0.80 µm	Compatible dispensers
47	MF047ME022GSR1Y	MF047ME045GSR1Y	MF047ME080GSR1Y	MF1DISTRI (filtraTECH) e.motion (Sartorius) EZ Pak Manual (Millipore)
47		MF047ME045BGSR1Y		
47	MF047ME022GSR2Y	MF047ME045GSR2Y	MF047ME080GSR2Y	EZ Curve (Millipore)
47		MF047ME045BGSR2Y		



• NYL - Polyamide

Nylon membranes are made from polyamide. They are hydrophilic, offer high mechanical and chemical resistance (notably to organic solvents) and provide excellent particle retention.
They are particularly well-suited for the filtration of solvents, HPLC or chromatography samples, clarification of aqueous or organic solutions...

Other diameters available on request

Pore size (µm)	0.22	0.45	0.80	1.00	3.00	5.00
Flow rate for Ø 47 mm (mL/min/cm²@10psi)	4-6	9-10	35-40	55-65	80-90	135-150
Bubble point (psi)	46-56	30-32	14-17	15-18	8-9	5-6

Ø (mm)	0.22 µm	0.45 µm	0.80 µm	1.00 µm	3.00 µm	5.00 µm
25	MF025NY022C	MF025NY045C	MF025NY080C	MF025NY100C	MF025NY300C	MF025NY500C
47	MF047NY022C	MF047NY045C	MF047NY080C	MF047NY100C	MF047NY300C	MF047NY500C
90	MF090NY022C	MF090NY045C	MF090NY080C	MF090NY100C	MF090NY300C	MF090NY500C

• PC – Polycarbonate

Polycarbonate membranes are made from polycarbonate films that are irradiated and chemically treated to form perfectly uniform cylindrical pores. They are hydrophilic, chemically inert and have a low thickness, allowing direct observation under a microscope.

They are especially used for particle or cell counting (quality control, environmental analyses), electronic or optical microscopy and precise analytical filtration applications.

Other diameters available on request

Pore size (µm)	0.20	0.40
Flow rate for Ø 47 mm (mL/min/cm²@10psi)	10	33

Ø (mm)	0.22 µm	0.45 µm
25	MF025PC022C	MF025PC045C
47	MF047PC022C	MF047PC045C

• PES – Polyethersulfone

PES (polyethersulfone) membranes are synthetic hydrophilic membranes with a uniform pore structure. They are particularly valued for their chemical resistance, thermal stability and very low protein-specific absorption, making them an ideal choice for the clarification and the sterilization of biological or pharmaceutical solutions (proteins, enzymes, DNA).

Other diameters available on request

Pore size (µm)	0.22	0.45
Flow rate for Ø 47 mm (mL/min/cm²@10psi)	11-16	30-48
Bubble point (psi)	51-65	35-53

Ø (mm)	0.22 µm	0.45 µm
25	MF025PE022C	MF025PE045C
47	MF047PE022C	MF047PE045C
90	MF090PE022C	MF090PE045C

• PP – Polypropylene

Polypropylene membranes are made from pure polypropylene, a thermoplastic polymer. They are hydrophobic, highly chemically resistant (to acids, bases, solvents) and heat-resistant, making them suitable for harsh environments.

They are used in the pre-filtration or final filtration of aggressive chemical solutions, gas and vapor filtration and in pharmaceutical, food or industrial applications...

Other diameters available on request

Pore size (µm)	0.22	0.45
Ethyl alcohol flow rate for Ø 47 mm (mL/min/cm²@10psi)	250-300	300-450

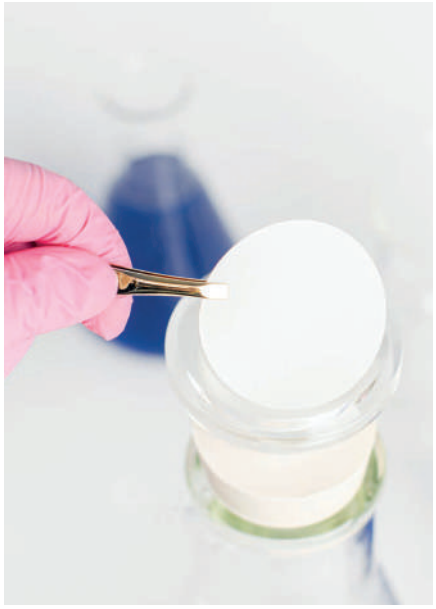
Ø (mm)	0.22 µm	0.45 µm
25	MF025PP022C	MF025PP045C
47	MF047PP022C	MF047PP045C
90	MF090PP022C	MF090PP045C

• PTFE - Polytetrafluoroethylene

PTFE membranes are made from polytetrafluoroethylene, a highly stable fluorinated polymer. They are hydrophobic, extremely chemically resistant and highly heat-resistant.
They are particularly suitable for the filtration of gases, vapors, aggressive solvents and acidic or basic solutions, air or gas sterilization in sterile environments, chromatography or chemical analyses applications and environmental testing (air or aerosol sampling).

Pore size (µm)	0.22	0.45	1.00	5.00
Ethyl alcohol flow rate for Ø 47 mm (mL/min/cm²@10psi)	8-14	15-29	75-90	447-625
Bubble point (psi)	16-25	14-19	8-9	-

Ø (mm)	0.22 µm	0.45 µm	1.00 µm	5.00 µm
13	MF013PT022Q	MF013PT045Q		
25	MF025PT022C	MF025PT045C	MF025PT100C	MF025PT500C
37		MF037PT045C	MF037PT100C	
47	MF047PT022C	MF047PT045C	MF047PT100C	MF047PT500C
90	MF090PT022C	MF090PT045C		



• RC - Regenerated cellulose

Regenerated cellulose membranes are made from natural cellulose chemically treated to be transformed into a purified and homogeneous form.
They are hydrophilic and exhibit excellent chemical compatibility with aggressive solutions and solvents.

Pore size (µm)	0.22	0.45
Flow rate for Ø 47 mm (mL/min/cm²@10psi)	9-11	30-48
Bubble point (psi)	19-22	10-15

Ø (mm)	0.22 µm	0.45 µm
25	MF025RC022C	MF025RC045C
47	MF047RC022C	MF047RC045C
90	MF090RC022C	MF090RC045C



Filtration devices & accessories

• Glass filtration unit AP

Glass filtration units are vacuum filtration devices designed to filter organic solvents, aqueous solutions or acids in HPLC, using a vacuum pump (see filtraTECH product "PUMP150_30I" on page 51).
Suitable for membranes with a diameter of 47 or 50 mm (see the "MF" Membrane range on pages 44 to 49).

Spare parts available individually





AP	Funnel (ml)	Flask (ml)	Filter support	Others
APR47G0300I	300	1000	Fritted ground glass	Aluminium clamp Rubber pipe
APB47G0300I	300	1000	Fritted glass + Stopper	
APB47G1000I	1000	2000	Fritted glass + Stopper	

• Venting filters FE

The venting filter consists of a hydrophobic PTFE membrane enclosed in a polypropylene housing with hose barb connections. It is ready-to-use, sterile, disposable and can be used for sterile air/gas ventilation or to prevent any backflow of water or liquid from a flask into the vacuum pump, thereby protecting the system.



Pore size (µm)	0.22 µm	0.45 µm
Bubble point (psi)	1.2	0.8

Ø (mm)	0.22 µm	0.45 µm
47	FE47PT22SW	FE47PT45SW

• Multi-branch vacuum manifold system RF

The multi-branch vacuum manifold filtration system is a laboratory device designed to perform simultaneous filtration of multiple samples, using a centralized vacuum source. Each branch is equipped with an independent valve that allows control or isolation of each filtration process.

Suitable for membranes with a diameter of 47 or 50 mm.



Spare parts available individually

RF	Branches	Funnel (ml)	Funnel material	Other parts
RF1SS300I	1	300	Stainless steel	SS filter support + Aluminium clamp + PTFE valves
RF3SS100I	3	100		
RF3SS300I	3	300		
RF3SS500I	3	500		
RF6SS300I	6	300		
RFM3SS250I	3	250	Stainless steel	SS filter support + Aluminium clamp + PTFE valves + Pressure gauge
RF3SS300GI	3	300	Glass	Glass filter support + Aluminium clamp + PTFE valves + Stopper

• Vacuum pump

The vacuum pump is used to create a depression (partial vacuum) when combined to the vacuum filtration manifold or any other filtration unit.

filtraTECH's item: **PUMP150_30I**

Pumping flow: 30 L/min
Motor power: 180 W
Ultimate vacuum (150 mbar) > 0.0085 mbar
Noise: < 50 db
Weight: 7.5 kg



• Membrane dispenser

The automatic membrane dispenser is designed to automatically deliver sterile, single-use filtration membranes without direct contact. It operates with a continuous roll of 150 membranes, which are dispensed one by one through an electronic mechanism.

The packaging used is automatically rolled up, which facilitates its destruction.

filtraTECH's item: **MF1DISTRI**



Table of chemical compatibility

✓ Recommended use

✗ Non recommended use

+/– Limited resistance

? Use to be confirmed (to be tested before use)

Acids	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Acetic glacial	✗	✓	+/–	+/–	✓	✓	+/–	✓
Acetic 25%	+/–	✓	+/–	+/–	✓	✓	✓	✓
Hydrochloric concentrate	✗	✓	✗	✗	✓	✗	✓	✓
Hydrochloric 25%	✓	✓	✗	+/–	✓	✓	?	✓
Sulfuric 98%	✗	✓	✗	✗	✗	✓	✓	+/–
Sulfuric 25%	✗	✓	+/–	✗	✓	✓	✓	✓
Nitric 65%	✗	✓	✗	?	✓	✓	✓	+/–
Nitric 25%	✗	?	+/–	✗	+/–	✓	✓	✓
Phosphoric 25%	✓	✓	+/–	✗	?	✓	?	✓
Trichloroacetic 25%	✗	✓	+/–	✗	?	✓	?	✓

Alcohols	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Methanol 98%	✓	✓	✗	✓	✓	✓	✓	✓
Ethanol 98%	✗	✓	✗	+/–	+/–	✓	+/–	✓
Ethanol 70%	✓	✓	✓	✓	✓	✓	+/–	✓
Isopropanol	✓	✓	+/–	✓	✓	✓	✓	✓
n-Propanol	✓	✓	✓	✓	?	✓	✓	✓
n-Butanol	✓	✓	✓	✓	✓	✓	?	✓
Benzyl	✗	✓	✓	✓	?	✓	✗	✓
Ethylene glycol	+/–	✓	+/–	✓	✓	✓	✓	✓
Propylene glycol	+/–	✓	✓	✓	✓	?	?	✓
Glycerol	+/–	✓	✓	+/–	+/–	✓	✓	✓

Ketones	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Acetone	✗	✓	✗	✗	✗	✓	+/–	✗
Cyclohexanone	✗	✓	✗	+/–	✗	✓	+/–	✓
Methyl ethyl ketone	✗	✓	?	+/–	✗	✓	✗	✗
Isopropylacetone	+/–	✓	✗	✓	✗	✓	✓	✗
Methyl isobytyl ketone	✓	✓	✗	✓	?	✓	✗	?

Bases	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Ammonia	+/–	✓	✓	✓	✗	✓	✗	✓
Hydrochloric 25%	✗	✓	+/–	✗	✓	✓	✗	✓

Halogenated hydrocarbons	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Methylene chloride	✗	✓	+/–	✓	✗	✗	✗	✗
Chloroform	✗	✓	✓	✓	✗	✓	✗	✗
Trichloroethylene	✗	✓	✓	✓	+/–	+/–	✓	✗
Monochlorobenzene	✓	✓	✓	+/–	?	✓	?	✓
Carbon tetrachloride	?	✓	✗	✓	✓	✓	✗	✗

Hydrocarbons	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Hexane, Xylene	✗	✓	✓	+/–	✗	✓	✓	✓
Toluene, Benzene	✗	✓	✓	✓	✓	✓	+/–	✗
Kerosene, Gasoline	✗	✓	✓	✓	+/–	✓	✓	✓

Oxides | Ethers	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Diethyl ether	+/–	✓	✗	✓	✗	✓	+/–	?
Dioxane	✗	✓	✗	✓	✓	✓	✗	+/–
Tetrahydrofuran	✗	✓	✗	✓	✗	✓	✗	✗
Dimethylsulfoxide	✗	✓	✗	✓	✗	✓	✗	✗
Isopropyl ether	✗	✓	✗	+/–	✗	✓	✓	?

Solvents with nitrogen	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Dimethyl	✗	✓	✗	✓	✗	✓	+/–	✗
Formamide diethylacetamide	✗	✓	✗	✓	?	✓	✗	✗
Pyridine	✗	✓	✗	✓	✗	✓	✗	✓
Acetonitrile	✗	✓	✗	✓	✗	✓	+/–	✓

Aqueous solutions	CA	FV	MCE	NY	PES	RC PTFE	PC	PVDF
Hydrogen peroxide 30%	+/–	✓	?	✓	?	✓	✓	✓
Formalin 30%	+/–	✓	✓	+/–	+/–	✓	+/–	✓

Syringe filters SF

Our range of syringe filters comes in 4 sizes and various pore sizes.

Each unit is carefully marked with both membrane type and pore size to avoid any confusion in your laboratory.

The shell is made of polypropylene and is moulded with sample distribution rings in order to obtain an even distribution of the sample and hence a higher flow rate. The PP housing is assembled by injected molding, this production method gives the opportunity of inserting a coloured ring for an easy recognition of the syringe filter in the laboratory (except for glass microfibre syringe filters: ultrasonically welded PP housing) and of reinforcing the body robustness during filtration process (minimized risk of opening under the syringe pressure).

For sterilization, we use gamma-ray methods.



Syringe filter, non sterile

Syringe filter, sterile

Syringe filter + glass microfibre pre-filter, non sterile

Syringe filter + glass microfibre pre-filter, sterile

Diameter	13 mm	25 mm	30 mm	33 mm
Material all except GF	PP (injection moulding)			
Material with GF	PP (ultrasonic welding)			
Filtration area	1.09 cm^2	4.08 cm^2	4.90 cm^2	7.45 cm^2
Sample volume	< 10 ml	< 100 ml	< 110 ml	< 150 ml
Holdup volume	< 10 µL	< 50 µL	< 100 µL	< 300 µL
Max pressure	87 psi			
Max temperature	50°C			
Inlet	female luer lock			
Outlet	male luer slip			
If sterilization	gamma rays			

I Packing in 50, 100, 500 or 1000 units



• CA - Cellulose acetate



The CA syringe filters are hydrophilic and offer researchers the lowest binding filters available. Due to this characteristic, they provide high throughputs and reduce losses when filtering proteinaceous solutions.

They can be sterilized without any loss of integrity or change in bubble point.

Chemical compatibility: **pH 3-7**

Pore size (µm)	0.22	0.45	0.80	1.20	5.00
Flow rate for Ø 25 mm (mL/min/cm²@10psi)	24-50	45-75	110-180	135-225	450-520
Bubble point (psi)	40.6	23.2	14.5	10.15	4.35

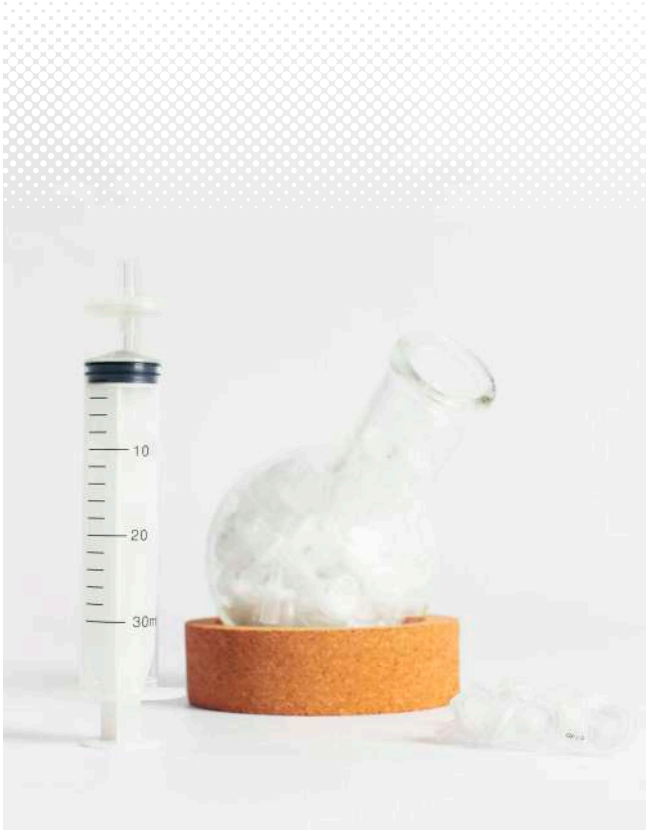
Ø (mm)	Quantity	0.22 µm	0.45 µm	0.80 µm	1.20 µm	5.00 µm
13	100 1000	SF13CA22C SF13CA22M	SF13CA45C SF13CA45M			
25	50 100 500 1000	SF25CA22L SF25CA22C SF25CA22D SF25CA22M	SF25CA45L SF25CA45C SF25CA45D SF25CA45M	SF25CA80L SF25CA80C SF25CA80M	SF25CA120L SF25CA120C SF25CA120M	SF25CA500L SF25CA500C SF25CA500D SF25CA500M
33	50 100 1000	SF33CA22L SF33CA22C SF33CA22M	SF33CA45L SF33CA45C SF33CA45M			
13	50	SF13CA22SL	SF13CA45SL			
25	50	SF25CA22SL	SF25CA45SL	SF25CA80SL		
30	50	SF30CA22SL	SF30CA45SL			
25	50 1000	SF25CAF22L SF25CAF22M	SF25CAF45L SF25CAF45M			
33	50 1000	SF33CAF22L SF33CAF22M	SF33CAF45L SF33CAF45M			

Other pore sizes on request

• FV - Glass microfibre

Glass fibre syringe filters are hydrophilic, chemically inert and compatible with most organic solvents and aqueous solutions. They offer excellent particle retention and high loading capacity, making them particularly suitable for the pre-filtration of highly particulate or viscous samples prior to final finer filtration.

Chemical compatibility: **pH 1-14**



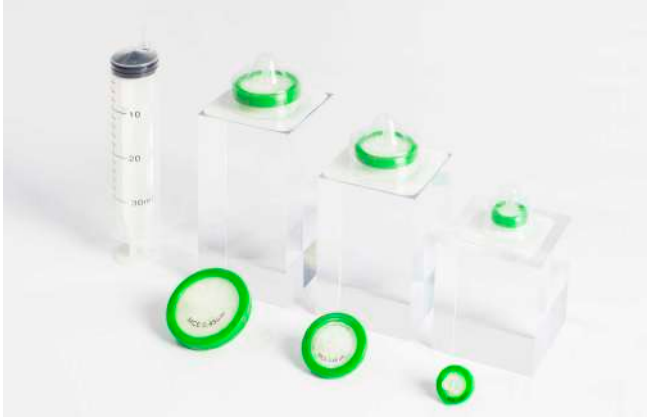
Ø (mm)	Quantity	1.00 µm
13	100	SF13FV100C
	1000	SF13FV100M
25	50	SF25FV100L
	100	SF25FV100C
	500	SF25FV100D
	1000	SF25FV100M
33	50	SF33FV100L
	1000	SF33FV100M

• MCE - Mixed cellulose esters

Hydrophilic MCE syringe filters have a uniform pore size that ensures reliable and reproducible filtration. They offer high flow rates and low protein binding. They are therefore suitable for sterilizing or clarifying filtration of aqueous solutions in various analytical and production fields.

Chemical compatibility: **pH 4-8**

Pore size (µm)	0.22	0.45
Flow rate for Ø 25 mm (mL/min/cm²@10psi)	24-50	45-75
Bubble point (psi)	40.6	23.2



Other pore sizes on request

Ø (mm)	Quantity	0.22 µm	0.45 µm
13	100	SF13ME22C	SF13ME45C
	1000	SF13ME22M	SF13ME45M
25	50	SF25ME22L	SF25ME45L
	100	SF25ME22C	SF25ME45C
	1000	SF25ME22M	SF25ME45M
33	50	SF33ME22L	SF33ME45L
	100	SF33ME22C	SF33ME45C
	1000	SF33ME22M	SF33ME45M
13	50	SF13ME22SL	SF13ME45SL
25	50	SF25ME22SL	SF25ME45SL
30	50	SF30ME2SSL	SF30ME45SL
25	50	SF25MEF22L	SF25MEF45L
	1000	SF25MEF22M	SF25MEF45M
33	50	SF33MEF22L	SF33MEF45L
	1000	SF33MEF22M	SF33MEF45M

• NYL – Polyamide



Nylon syringe filters are naturally hydrophilic and offer high mechanical and chemical resistance with most solvents, alcohols, ketones, esters and aqueous solutions. They are commonly used for sample preparation in HPLC / UHPLC and for the filtration of aqueous or semi-organic solutions.

Chemical compatibility: **pH 3-14**



Pore size (µm)	0.22	0.45	0.80	1.20	3.00	5.00
Flow rate for Ø 25 mm (mL/min/cm²@10psi)	8-25	22-45	75-90	85-120	220-260	283-332
Bubble point (psi)	40.60	26.10	17.40	11.60	5.80	4.35

Ø (mm)	Quantity	0.22 µm	0.45 µm	0.80 µm	1.20 µm	1.20 µm	5.00 µm
13	100 1000	SF13NY22C SF13NY22M	SF13NY45C SF13NY45M				
25	50 100 500 1000	SF25NY22L SF25NY22C SF25NY22D SF25NY22M	SF25NY45L SF25NY45C SF25NY45D SF25NY45M	SF25NY80L SF25NY80C SF25NY80D SF25NY80M	SF25NY120L SF25NY120C SF25NY120D SF25NY120M	SF25NY300L SF25NY300C	SF25NY500L SF25NY500C
33	50 100 1000	SF33NY22L SF33NY22C SF33NY22M	SF33NY45L SF33NY45C SF33NY45M				
13	50	SF13NY22SL	SF13NY45SL				
25	50	SF25NY22SL	SF25NY45SL				
30	50	SF30NY22SL	SF30NY45SL				
25	50 1000	SF25NYF22L SF25NYF22M	SF25NYF45L SF25NYF45M				
33	50 1000	SF33NYF22L SF33NYF22M	SF33NYF45L SF33NYF45M				

• PES - Polyethersulfone

PES (polyethersulfone) syringe filters incorporate a hydrophilic synthetic polymer known for its low protein binding, its compatibility with aqueous solutions and both thermal and chemical stability. They enable fast, efficient and gentle filtration while minimizing sample loss of sensitive biological solutions such as proteins, enzymes, antibodies or DNA.

Chemical compatibility: **pH 4-8**

Pore size (µm)	0.22	0.45
Flow rate for Ø 25 mm (mL/min/cm²@10psi)	30-50	50-75
Bubble point (psi)	46.4	31.9



Ø (mm)	Quantity	0.22 µm	0.45 µm
13	100 1000	SF13PE22C SF13PE22M	SF13PE45C SF13PE45M
25	50 100 500 1000	SF25PE22L SF25PE22C SF25PE22D SF25PE22M	SF25PE45L SF25PE45C SF25PE45D SF25PE45M
33	50 100 1000	SF33PE22L SF33PE22C SF33PE22M	SF33PE45L SF33PE45C SF33PE45M
13	50	SF13PE22SL	SF13PE45SL
25	50	SF25PE22SL	SF25PE45SL
30	50	SF30PE22SL	SF30PE45SL
25	50 1000	SF25PEF22L SF25PEF22M	SF25PEF45L SF25PEF45M
33	50 1000	SF33PEF22L SF33PEF22M	SF33PEF45L SF33PEF45M

• PP - Polypropylene

PP (polypropylene) syringe filters incorporate a hydrophobic thermoplastic polymer that is chemically highly resistant and has low absorptive properties. They are commonly used for the filtration of aggressive organic solvents, acidic or alkaline solutions or as a pre-filter in multi-step systems.

Chemical compatibility: **pH 1-14**

Pore size (µm)	0.22	0.45
Ethyl alcohol flow rate for Ø 25 mm (mL/min/cm²@10psi)	120-250	250-550



Ø (mm)	Quantity	0.22 µm	0.45 µm
13	100 1000	SF13PP22C SF13PP22M	SF13PP45C SF13PP45M
25	50 100 1000	SF25PP22L SF25PP22C SF25PP22M	SF25PP45L SF25PP45C SF25PP45M
33	50 100 1000	SF33PP22L SF33PP22C SF33PP22M	SF33PP45L SF33PP45C SF33PP45M
13	50	SF13PP22SL	SF13PP45SL
25	50	SF25PP22SL	SF25PP45SL
30	50	SF30PP22SL	SF30PP45SL
25	50 1000	SF25PPF22L SF25PPF22M	SF25PPF45L SF25PPF45M

• PVDF - Hydrophobic polyvinylidene

Hydrophobic PVDF syringe filters are known for their chemical, mechanical and thermal resistance, which allows them to filter organic or non-aqueous solutions (acids, bases...).

Chemical compatibility: **pH 1-14**

Pore size (µm)	0.22	0.45
Ethyl alcohol flow rate for Ø 25 mm (mL/min/cm²@10psi)	20-30	30-65
Bubble point (psi)	13.05	5.8

Ø (mm)	Quantity	0.22 µm	0.45 µm
13	100 1000	SF13PV22C SF13PV22M	SF13PV45C SF13PV45M
25	50 100 1000	SF25PV22L SF25PV22C SF25PV22M	SF25PV45L SF25PV45C SF25PV45M
33	50 100 1000	SF33PV22L SF33PV22C SF33PV22M	SF33PV45L SF33PV45C SF33PV45M
13	50	SF13PV22SL	SF13PV45SL
25	50	SF25PV22SL	SF25PV45SL
30	50	SF30PV22SL	SF30PV45SL
25	50 1000	SF25PVF22L SF25PVF22M	SF25PVF45L SF25PVF45M
33	50 1000	SF33PVF22L SF33PVF22M	SF33PVF45L SF33PVF45M



• PVDFH - Hydrophilic polyvinylidene

Hydrophilic PVDF syringe filters have good chemical and thermal stability and low extractable content. They are used for the filtration of aqueous solutions (moderate solvents, buffers, culture media and biological samples).

Chemical compatibility: **pH 1-14**

Pore size (µm)	0.22	0.45
Flow rate for Ø 25 mm (mL/min/cm²@10psi)	13-15	38-46
Bubble point (psi)	53	37

Ø (mm)	Quantity	0.22 µm	0.45 µm
13	100 1000	SF13PVH22C SF13PVH22M	SF13PVH45C SF13PVH45M
25	50 100 1000	SF25PVH22L SF25PVH22M	SF25PVH45L SF25PVH45C SF25PVH45M
33	1000		SF33PVH45M
13	50	SF13PVH22SL	SF13PVH45SL
25	50	SF25PVH22SL	SF25PVH45SL
30	50	SF30PVH22SL	SF30PVH45SL

• RC - Regenerated cellulose

With a hydrophilic membrane, RC (Regenerated Cellulose) syringe filters combine compatibility with aqueous media and strong chemical resistance, making them ideal for filtering mixed or aggressive aqueous solutions in demanding environments.

Chemical compatibility: **pH 3-12**

Pore size (µm)	0.22	0.45
Flow rate for Ø 25 mm (mL/min/cm²@10psi)	20-40	30-65
Bubble point (psi)	43.5	5.8



Ø (mm)	Quantity	0.22 µm	0.45 µm
13	100	SF13RC22C	SF13RC45C
	1000	SF13RC22M	SF13RC45M
25	50	SF25RC22L	SF25RC45L
	100	SF25RC22C	SF25RC45C
	1000	SF25RC22M	SF25RC45M
33	50	SF33RC22L	SF33RC45L
	100	SF33RC22C	SF33RC45C
	1000	SF33RC22M	SF33RC45M
13	50	SF13RC22SL	SF13RC45SL
25	50	SF25RC22SL	SF25RC45SL
30	50	SF30RC22SL	SF30RC45SL
25	50	SF25RCF22L	SF25RCF45L
	1000	SF25RCF22M	SF25RCF45M
33	50	SF33RCF22L	SF33RCF45L
	1000	SF33RCF22M	SF33RCF45M

• PTFE - Polytetra-fluoroethylene

Hydrophobic PTFE syringe filters offer excellent chemical resistance and very good thermal stability, making them particularly suitable for the filtration of organic solvents (acetone, methanol, chloroform, hexane...), gases and aggressive but non-aqueous liquids (acids, bases, oils, corrosive chemicals). They are also used prior to chromatographic analyses (HPLC, GC).

Chemical compatibility: **pH 1-14**



Pore size (µm)	0.22	0.45	3.00
Ethyl alcohol flow rate for Ø 25 mm (mL/min/cm²@10psi)	25-35	40-85	400-460
Bubble point (psi)	14.5	7.25	-

Ø (mm)	Quantity	0.22 µm	0.45 µm	3.00 µm
13	100	SF13PT22C	SF13PT45C	
	1000	SF13PT22M	SF13PT45M	
25	100	SF25PT22C	SF25PT45C	SF25PT300C
	500	SF25PT22D	SF25PT45D	SF25PT300D
	1000	SF25PT22M	SF25PT45M	SF25PT300M
30	50	SF33PT22L	SF33PT45L	
	100	SF33PT22C	SF33PT45C	
	1000	SF33PT22M	SF33PT45M	
13	50	SF13PT22SL	SF13PT45SL	
25	50	SF25PT22SL	SF25PT45SL	
30	50	SF30PT22SL	SF30PT45SL	
25	50	SF25PTF22L	SF25PTF45L	
	1000	SF25PTF22M	SF25PTF45M	
33	50	SF33PTF22L	SF33PTF45L	
	1000	SF33PTF22M	SF33PTF45M	

Technical filters FT1

These filter papers are made from pure cellulose fibres and offer properties tailored to specific industrial requirements (high filtration rate, retention capacity, resistance to moisture, heat and aggressive chemicals). They provide effective filtration solutions in the food, chemical, cosmetic and pharmaceutical industries thanks to a wide range of pore sizes, thicknesses and custom sizes / shapes (flat or pleated discs, sheets with or without holes...).

Specifications, shapes and references on request



• Smooth

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
FT103 // Whatman : 3	Thick paper suitable for filtering medium and fine particles (saline solutions, alcohols, colognes, ethers, soil analyses...)			
	150	0.30	3-6	80
FT104 // Whatman : 287	Filter paper made with the addition of diatomaceous earth (kieselguhr), ideal for the filtration of colloidal or very fine suspensions (lipids, plant extracts) and for the clarification (perfumes, lactic serums, urine, juices, vaccines...)			
	140	0.32	-	55
FT105	Thick paper recommended for filtrations requiring high mechanical and chemical resistance, suitable for very fine or colloidal precipitates and difficult-to-filter liquids			
	185	0.39	12-16	50
FT106	Thick paper used for pre-filtration and filtration of viscous products or those containing large particles (edible oils, essential oils...)			
	160	0.47	50-80	8
FT107	Thick paper used for the filtration and clarification of liquids containing medium-sized particles (wines, spirits, perfumes, floral waters, resins...)			
	160	0.38	60-65	15
FT108	Thin paper with medium filtration speed used for the filtration of electroplating baths and for the analyses of sweet juices (Venema system)			
	85	0.18	14-22	25

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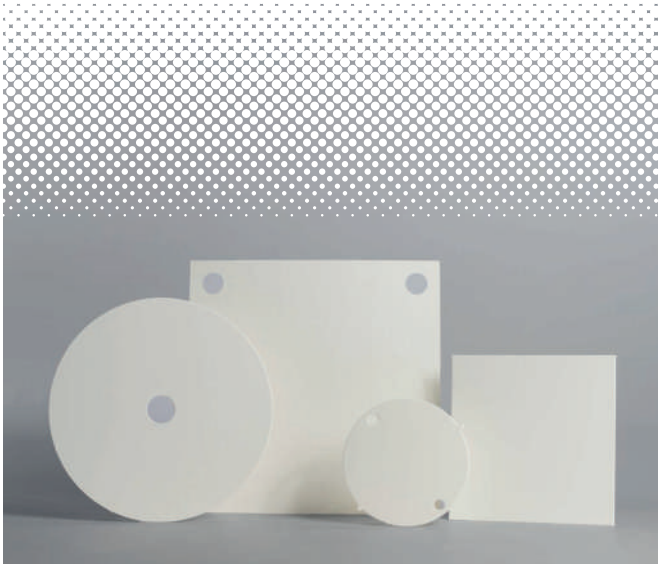
	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
FT100	Thin, very fast paper used for the filtration of viscous liquids (oils, agar-agar) or as protection layer for filter sheets (filter press)			
	60	0.25	35-45	8
FT101 // Whatman : 520b	Thick and fast paper, ideal for the pre-filtration or the clarification of heavily loaded liquids (essential oils, syrups, wine, hair lotions and aromas)			
	160	0.55	37-46	26
FT102	Thick and fast paper, ideal for the pre-filtration of viscous liquids (syrups, resins, plant extracts, gels, fluid creams) and for the fine filtration of virgin olive or glycerine oils			
	190	0.65	35-45	30
FT109	Thin, moderately fast paper, ideal for filtering acidic and alkaline solutions, for clarifying beet pulp extracts or as protective layer for filter press			
	73	0.28	16-25	20
FT110 // Whatman : 520a	Thin, fast paper, used for the clarification of beverages (juices, syrups, spirits), for the filtration of oils and resins and for the treatment of technical baths			
	90	0.33	26-34	25
FT111	Thick, fast-flow paper, effective for the filtration of vegetable oils, syrups, wines, spirits and technical greases, as well as for the pre-filtration of transformer oils			
	140	0.45	35-45	11
FT113	Very thick, fast-flow paper, ideal for the filtration of contaminated industrial liquids, lacquers, dyes and oils used in industrial deep fryers			
	240	0.78	40-45	15



Filter boards FT2

Thick papers made from pure cellulose fibres, filter boards offer an excellent retention capacity, a high mechanical strength along with a good chemical compatibility. They are used for filtration, clarification and blotting across all industrial sectors. Available in discs or sheets, they are commonly used in filter presses.

Specifications, shapes and references on request



	Weight (g/m²)	Thickness (mm)	Pore size (µm)
FT200 // Whatman : 2589a	Filtration of chemicals, absorbents, used in the graphic industry		
	190	0.41	13-18
FT201	Filtration of galvanic baths, absorbent support for membranes (laboratories)		
	280	0.65	19-25
FT202 // Whatman : 2589b	Filtration of transformer oils, used in centrifuge extract or for bitumen		
	300	0.70	15-25
FT203 // Whatman : 2589c	Filtration of galvanic baths, turbine and engine oils		
	390	0.93	17-27

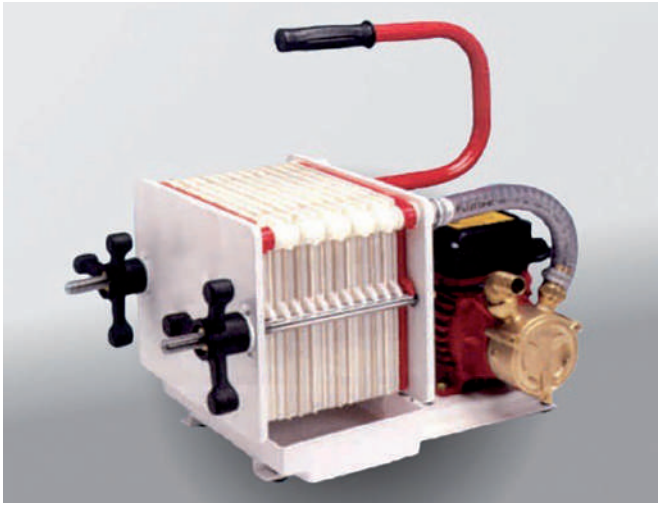
	Weight (g/m²)	Thickness (mm)	Pore size (µm)
FT204 // Whatman : 2589d	Bright filtration of edible oils and water process, used in centrifuge extract or for bitumen		
	500	1.13	15-22
FT205 // Whatman : 2208	Filtration of transformer oils, technical oils and hydrocarbons		
	350	0.78	13-23
FT207 // Whatman : 5703	Filtration of edible oils, paraffin, support paper for fragrance blotters		
	250	0.58	14-21
FT208 // Whatman : 2282	Filtration of transformer oils, industrial waters, retention of activated carbon		
	450	1.03	11-20

Filter-press system

When the industrial process has not been conceived initially to integrate a filtration system, it is possible to use a removable filter-press system made of stainless steel. Easy to handle, economical and compact, the filter press system enables to filter small quantities of liquids while maintaining an accurate level of filtration.

It is connected to standard 220V power and has an inlet connection of 20 mm diameter.

Filter sheets size (cm)	Max pression (bar)	18 PP plates
20 x 20	2	FP18SS2020I



Filter sheets FT3

Filter sheets are robust filtering supports, generally made from purified cellulose fibres and sometimes reinforced with mineral or synthetic materials. Their dense and thick structure allows an in-depth filtration, providing excellent retention capacity of solid particles, even in heavy or viscous liquids. They are used for pre-filtration, clarification and sterilization of food liquids (oils, beverages), chemicals (solvents, acids), cosmetics (essential oils, flavors, perfumes) and pharmaceuticals (serums, vaccines).

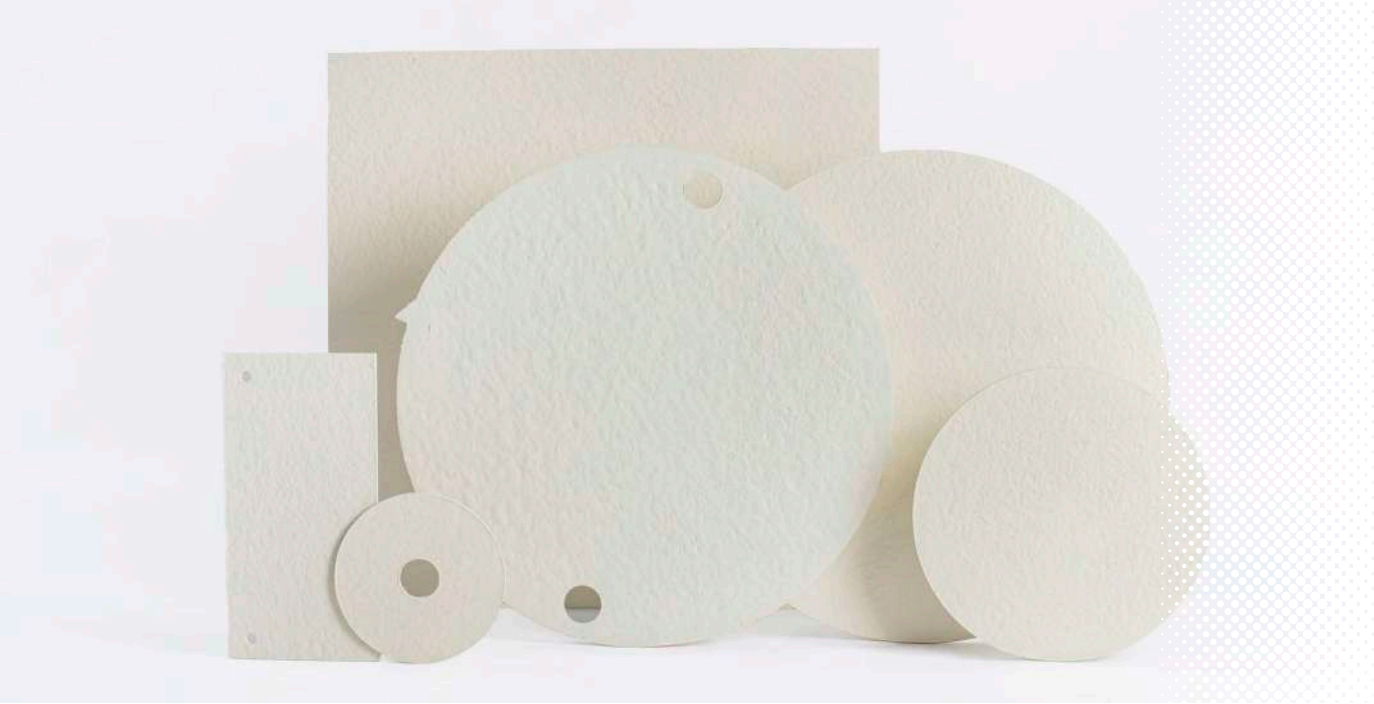
4 different compositions available:

C = 100% cellulose
C + PE = cellulose + polyethylene fibres
C + K = cellulose + kieselghur
C + K +PE = cellulose + kieselghur + polyethylene fibres

Specifications, shapes and references on request

• Pre-filtration

	Weight (g/m²)	Thickness (mm)	Permeability (L/m²/min)	Composition
FT300	675-825	3.8-4.3	8200-14600	**C**
FT301	700-855	3.5-3.8	5700-10200	**C**
FT302	1080-1320	3.9-4.4	760-1350	**C**
FT303	720-880	3.1-3.5	5250-9300	**C**
FT304	945-1155	3.5-4.0	1100-2000	**C + K**
FT305	800-900	2.1-2.3	320-490	**C + K**
FT351	560-650	1.6-1.9	208-233	**C**



4 different compositions available:

C = 100% cellulose
C + PE = cellulose + polyethylene fibres
C + K = cellulose + kieselghur
C + K +PE = cellulose + kieselghur + polyethylene fibres

Specifications, shapes and references on request

• Clarification

	Weight (g/m²)	Thickness (mm)	Permeability (L/m²/min)	Composition
FT306	1000-1200	3.2-3.6	420-750	**C + K + PE**
FT307	1000-1250	3.5-4.0	480-890	**C + K**
FT308	1100-1200	3.2-3.6	225-400	**C + K + PE**
FT309	1100-1350	3.5-4.0	240-500	**C + K**
FT310	1100-1300	3.2-3.6	140-250	**C + K + PE**
FT311	1250-1350	3.35	80-100	**C + K**
FT313	1200-1450	3.3-3.7	80-140	**C + K**
FT314	1350-1550	3.6-3.9	70-120	**C + K + PE**

• Sterilization

	Weight (g/m²)	Thickness (mm)	Permeability (L/m²/min)	Composition
FT315	1300-1500	3.7-3.9	70-80	**C + K**
FT320	1350-1550	3.6-3.9	70-120	**C + K + PE**
FT325	1400-1600	3.5-4.0	50-65	**C + K**
FT326	1350-1550	3.7-3.9	40-50	**C + K**
FT330	1500-1700	3.9-4.1	10-15	**C + K**

Non woven filters NT

Non woven filters are made from synthetic fibres (polyester, viscose). Their random and porous structure, their flexibility and adaptability, as well as their high permeability to air or liquids ensure the effective capture of solid particles in various laboratory and industrial applications (surgical masks, cutting oil filtration, wastewater treatment...).

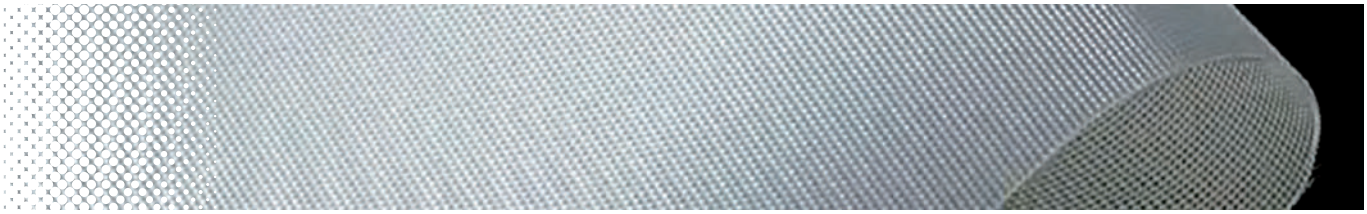
	Weight (g/m²)	Thickness (mm)	Pore size (µm)	Water permeability (L/m²/sec)	Air permeability (L/m²/sec)
NT20	20	0.18	210	400	5600
NT25	25	0.20	193	369	5399
NT35	35	0.26	181	323	4633
NT40	40	0.30	175	300	4400
NT50	50	0.35	158	254	3483
NT65	65	0.32	-	550	2600
NT80	80	0.60	-	191	2260
NT110	110	0.70	50	400	2200
NT130	130	1.20	45	370	1750

Mesh filters TF

Mesh filters are woven materials made from nylon (polyamide) or polypropylene (PP) wires, forming a regular mesh structure with calibrated orifices. Washable and reusable, with high mechanical strength, good elasticity and excellent chemical compatibility, these filters allow surface filtration with pore sizes ranging from 1 to 5000 µm. They are used for liquid or air filtration in laboratories.

Rolls: 1020 mm wide
Lengths, sizes and references on request

	Composition	Pore size (µm)	Max temperature (°C)	Abrasion resistance	Acid resistance
TF - NY	Polyamide 6.6	1-325	115	Good	Limited
TF - PP	Polypropylene	75-5100	90	Limited	Good



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QL04	Qualitative	10 to 12
QL05	Qualitative	10 to 12
QL08	Qualitative	10 to 12
QT41	Quantitative	13 to 15
QT42	Quantitative	13 to 15
QT43	Quantitative	13 to 15
QT44	Quantitative	13 to 15
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Table of comparison

This table shows all products which are similar or most likely to be compared depending on the analysis.
Ask for our free samples, you will be able to compare the results obtained…

filtraTECH	Whatman / Cytiva	Macherey Nagel	Hahnemüehle	Advantec	Sartorius	Munktell
Quantitative filters (ashless)						
QT41	41 I 589/1	640w	FP589/1	5A	388	OOR I 388
QT42	43 I 589/2	640m	FP589/2	3	389	OOK I 389
QT43	40 I 589/5	64md	FP589/5	5B	392	OOA I 392
QT44	44 I 589/6	64dd	FP589/6	6	390	OO6 I 390
QT45	42 I 589/3	640d	FP589/3	5C	391	OOH I 391
QT46	-	640de	-	4A	393	393
QT49	589/4	-	FP589/4	-	389F	-
QT51	541	1640w	1505	-	1388	-
QT53	540	1640md	1506	-	1392	-
QT55	542	1640d	1507	-	1391	-
Qualitative filters						
QL01	4	617	FP604	1	1288	3 I 1288
QL02	597	616	FP597	2	1289	1F I 1289
QL03	2	616md	FP593	232	292a I 1292	n°2
QL04	6	619	FP594	-	1290	106 I 1290
QL05	5 I 602h	619eh	FP602h	235	1291	120H I 1291
QL08	602eh	619de	FP602eh	-	293	293
Standard filters						
ST60	93	-	250	-	3hw	3hw
ST61	1	615	FP595	231	292 I 4b	n°1
ST62	114	713	235	101	6	6
ST64	113	651	FP520b II	-	37/N	37/N
Glass microfibre I Quartz microfibre filters						
FV21	GF/A	GF-1	FPGF50	GA-55	MGA	MGA
FV22	GF/B	GF-2	FPGF51	GB-140	MGB	MGB
FV23	GF/C	GF-3	FPGF52	GC-50	MGC	MGC
FV24	GF/D	GF-4	FPGF53	GD-120	MGD	MGD
FV25	GF/F	GF-5	FPGF55	GF-75	MGF	MGF
FV26	934-AH	GF-6	-	GS-25	MGG	MG550HA
FV27	GF10	85/90	FPGF10	-	MG227	MG277
FV29	GF6	-	FPGF6	-	MG161	MG161
FQ30	QM/A	QF10	QFH	QR-100	Q3400	T293
Chromatography						
CH51	1CHR	260	FP2040a	151B	FN1	FN1
CH58	3MMCHR	261	FP2316	1514A	FN7a	FN7a
CH59	17CHR	218	FP2668	526	FN30	FN30







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In order to help you navigate this catalogue easily, we have created the following pictograms:


Plain discs


Folded formats


Conical discs pleated in 4


Plain discs + hole


Sheets


Hand-folded sheets

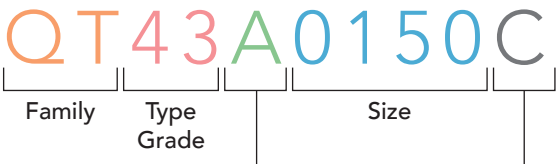

Booklets


2-hole discs + 2 lugs


2-hole sheets


4-hole sheets

A filtraTECH item code is composed as follows:



Form
A = plain discs
P = folded formats
F = sheets

Packing
I = 1
W = 25
L = 50
C = 100
Q = 200
D = 500
M = 1000