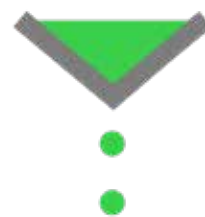


filtration tailored to your needs



filtraTECH



CATALOGUE

EDITION 2022

EN



As a French company dedicated to filtration for laboratories and industries, filtraTECH offer an exhaustive range of analytical filter papers (quantitative, qualitative, standard), glass microfiber filters, special papers (for protection, cleaning, weighing, chromatography...) and amongst other products, micro filtration 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 team at info@filtratech.fr.

We thank you for trusting filtraTECH 's team and we are glad to present you filtraTECH 's catalogue.

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 reactivity, 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.



MANAGEMENT OF QUALITY

ISO 9001 Certification

ISO 9001:2015 is the reflect of the everyday 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 procedures described 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.

To help you go through this catalogue, we have created some pictograms as follows:



PLAIN DISCS



FOLDED DISCS



DISCS PLEATED IN 4



PLAIN DISC + HOLE



SHEETS



HAND-FOLDED SHEETS



BOOKLET



ROLL



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.
Your satisfaction is our core priority.

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 ever 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 a top priority, we know that waiting time to get 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.

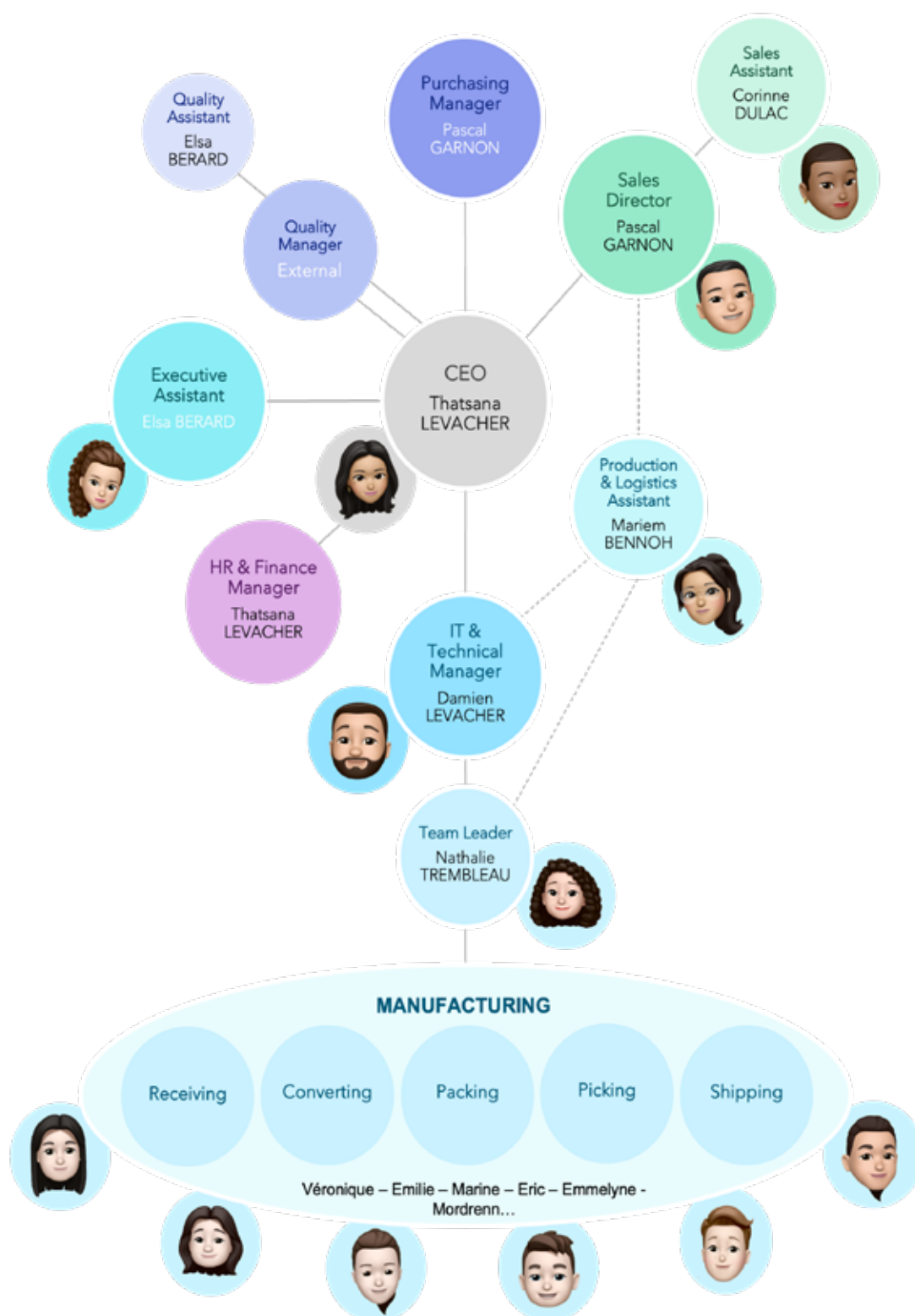
Free samples

You are not sure a product is completely suitable for your application? You are answering a tender with samples requested? You are a new customer and would like to know more about filtraTECH 's products? Just contact us. We gladly provide you with free samples of the whole range.

Sales documentation

Every step of the way, we keep in mind to develop rock-solid partnerships with our distributors and in this sense, we always try to provide them with the best services using all our knowledge and know-how. Our role is to counsel and accompany you in the choice of the most suitable products and in the adaptation of the solutions to the end-user needs. To this end, we have created a series of sales documentation to hand to your sales team (thematic leaflets, application field product guides, training...). If you are interested in receiving them, please contact our sales team.





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Applications



The standard filter papers are made with 100% cellulose and can have various applications in hospitals / medical fields, in research laboratories, in schools/universities, in industry such as chemical, pharmaceutical, cosmetic, water treatment, food...

filtraTECH's grades: **ST60** | **ST61** | **ST62** | **ST63** | **ST64** | **ST67**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kg/cm ²)
ST60 // Whatman : 93	<i>Smooth filter paper with medium filtration for general applications, economical</i>				
	64	0.15	10-20	30	1.45
ST61 // Whatman : 1	<i>Filter paper for analytical works in laboratories with medium filtration</i>				
	73	0.16	5-13	35	1.95
ST62 // Whatman : 114	<i>Smooth filter paper with fast filtration for general works</i>				
	73	0.17	17-30	15	1.25
ST63	<i>Thin filter paper with fast filtration</i>				
	60	0.14	20-25	20	1.05
ST64 // Whatman : 113	<i>Creped filter paper with very fast filtration</i>				
	120	0.35	30-40	10	0.75
ST67	<i>Very thin filter paper with very fast filtration</i>				
	50	0.12	17-30	15	0.25

Item codes

	Size (mm)	ST60	ST61	ST62	ST63	ST64	ST67
	45	ST60A0045		ST62A0045			
	47	ST60A0047	ST61A0047			ST64A0047	**
	55	ST60A0055	ST61A0055	ST62A0055			
	70	ST60A0070	ST61A0070	ST62A0070		ST64A0070	**
	90	ST60A0090	ST61A0090	ST62A0090		ST64A0090	**
	100	ST60A0100		ST62A0100			
	110	ST60A0110	ST61A0110	ST62A0110		ST64A0110	**
	125	ST60A0125	ST61A0125	ST62A0125		ST64A0125	**
	130	ST60A0130		ST62A0130			
	150	ST60A0150	ST61A0150	ST62A0150	ST63A0150	ST64A0150	**
	185	ST60A0185	ST61A0185	ST62A0185		ST64A0185	**
	190	ST60A0190		ST62A0190			
	210	ST60A0210	ST61A0210	ST62A0210			
	240	ST60A0240	ST61A0240	ST62A0240		ST64A0240	** ST67A0240D *
	250	ST60A0250		ST62A0250			
	270	ST60A0270	ST61A0270	ST62A0270			
	320	ST60A0320	ST61A0320				
	330	ST60A0330		ST62A0330			
	400	ST60A0400	ST61A0400	ST62A0400			
	500	ST60A0500	ST61A0500	ST62A0500		ST64A0500	**
	70	ST60P0070	ST61P0070	ST62P0070			
	100	ST60P0100	ST61P0100	ST62P0100			
	110	ST60P0110	ST61P0110	ST62P0110			
	130	ST60P0130	ST61P0130	ST62P0130		ST64P0125	
	150	ST60P0150	ST61P0150	ST62P0150		ST64P0150	
	190	ST60P0190	ST61P0190	ST62P0190		ST64P0185	
	210	ST60P0210	ST61P0210	ST62P0210			
	250	ST60P0250	ST61P0250	ST62P0250		ST64P0240	
	270	ST60P0270	ST61P0270	ST62P0270			
	330	ST60P0330	ST61P0330	ST62P0330			
	400	ST60P0400	ST61P0400	ST62P0400			
	500	ST60P0500	ST61P0500	ST62P0500		ST64P0500	
	400 x 400	ST60F4040	*				ST67F4040C ST67F4040D *
	420 x 520	ST60F4252C ST60F4252	*		ST63F4252	*	
	450 x 450	ST60F4545C		ST61F4545D *			
	460 x 570	ST60F4657		ST61F4657C			
	500 x 500	ST60F5050C ST60F5050D	*	ST61F5050D *	ST62F5050C ST62F5050D *		
	520 x 520	ST60F5252C ST60F5252	*		ST62F5252D *		
	580 x 580	ST60F5858C ST60F5858D	*	ST61F5858C ST61F5858D *	ST62F5858C ST62F5858D *	ST64F5858D *	ST67F5858D *
	600 x 600	ST60F6060C ST60F6060D	*	ST61F6060C	ST62F6060D *		

Packing information:

All packs contain 100 units
 * pack of 500
 ** pack of 50
 Other sizes upon request

Applications






These grades are made with high purity cotton linters fibres and cellulose fibres (ash content of 0.06%). The qualitative filter papers allow to determinate with a great precision the nature of the filtered solutions and to check the composition of the samples. They offer better resistance to chemicals and moisture compared to standard filters and thus can be used for food, beverages, environmental analysis (air, soil...).

filtraTECH's grades: **QL01 | QL02 | QL03 | QL04 | QL05 | QL08**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kg/cm ²)
QL01 // Whatman : 4	<i>Very fast filtration qualitative filter paper</i>				
	80	0.21	15-20	10	>20
QL02 // Whatman : 597	<i>Fast filtration qualitative filter paper</i>				
	88	0.18	12-15	20	>20
QL03 // Whatman : 2	<i>Medium filtration qualitative filter paper</i>				
	87	0.18	8-12	50	>30
QL04 // Whatman : 6	<i>Slow filtration qualitative filter paper</i>				
	80	0.16	4-7	100	>20
QL05 // Whatman : 5	<i>Very slow filtration qualitative filter paper</i>				
	80	0.16	2-4	200	>20
QL08	<i>Very slow filtration qualitative filter paper</i>				
	100	0.19	1-3	300	>20

Item codes

	Size (mm)	QL01	QL02	QL03	QL04	QL05	QL08
	45	QL01A0045	QL02A0045	QL03A0045	QL04A0045		
	47	QL01A0047	QL02A0047	QL03A0047	QL04A0047	QL05A0047	
	55	QL01A0055	QL02A0055	QL03A0055	QL04A0055	QL05A0055	
	70	QL01A0070	QL02A0070	QL03A0070	QL04A0070	QL05A0070	QL08A0070
	90	QL01A0090	QL02A0090	QL03A0090	QL04A0090	QL05A0090	QL08A0090
	110	QL01A0110	QL02A0110	QL03A0110	QL04A0110	QL05A0110	QL08A0110
	125	QL01A0125	QL02A0125	QL03A0125	QL04A0125	QL05A0125	QL08A0125
	150	QL01A0150	QL02A0150	QL03A0150	QL04A0150	QL05A0150	QL08A0150
	185	QL01A0185	QL02A0185	QL03A0185	QL04A0185	QL05A0185	QL08A0185
	210	QL01A0210	QL02A0210	QL03A0210	QL04A0210	QL05A0210	
	240	QL01A0240	QL02A0240	QL03A0240	QL04A0240	QL05A0240	QL08A0240
	270	QL01A0270	QL02A0270	QL03A0270	QL04A0270	QL05A0270	
	320	QL01A0320	QL02A0320	QL03A0320	QL04A0320	QL05A0320	
	400	QL01A0400	QL02A0400	QL03A0400	QL04A0400	QL05A0400	
	500	QL01A0500	QL02A0500	QL03A0500	QL04A0500	QL05A0500	
	70	QL01P0070	QL02P0070	QL03P0070	QL04P0070	QL05P0070	
	90	QL01P0090	QL02P0090	QL03P0090	QL04P0090	QL05P0090	
	110	QL01P0110	QL02P0110	QL03P0110	QL04P0110	QL05P0110	
	125	QL01P0125	QL02P0125	QL03P0125	QL04P0125	QL05P0125	QL08P0125
	150	QL01P0150	QL02P0150	QL03P0150	QL04P0150	QL05P0150	QL08P0150
	185	QL01P0185	QL02P0185	QL03P0185	QL04P0185	QL05P0185	QL08P0185
	210	QL01P0210	QL02P0210	QL03P0210	QL04P0210	QL05P0210	
	240	QL01P0240	QL02P0240	QL03P0240	QL04P0240	QL05P0240	QL08P0240
	270	QL01P0270	QL02P0270	QL03P0270	QL04P0270	QL05P0270	
	320	QL01P0320	QL02P0320	QL03P0320	QL04P0320	QL05P0320	
	400	QL01P0400	QL02P0400	QL03P0400	QL04P0400	QL05P0400	QL08P0400
	500	QL01P0500	QL02P0500	QL03P0500	QL04P0500	QL05P0500	QL08P0500
	460 x 570	QL01F4657	QL02F4657	QL03F4657	QL04F4657	QL05F4657	
	580 x 580	QL01F5858	QL02F5858	QL03F5858	QL04F5858	QL05F5858	

Packing information:

All packs contain 100 units
Other sizes upon request



QUANTITATIVE ANALYTICAL FILTERS

Applications



The quantitative or ashless filter papers are made with 100% high quality cotton linter fibres and alpha-cellulose fibres, which go through a severe chemical process. They have been washed out with a specific acid treatment and finally washed from impurities with demineralized water.

This process allows reaching an ash content below 0.01%. These papers are used to count during demanding analysis.

filtraTECH's grades: **QT41** | **QT42** | **QT43** | **QT44** | **QT45** | **QT46**



		Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
QT41 // Whatman : 41	<i>Very fast filtration quantitative filter paper</i>				
	●	80	0.2	25-30	9
QT42 // Whatman : 43	<i>Fast filtration quantitative filter paper</i>				
	○	84	0.2	20-25	27
QT43 // Whatman : 40	<i>Medium filtration quantitative filter paper</i>				
	●	84	0.20	14-18	55
QT44 // Whatman : 44	<i>Slow filtration quantitative filter paper</i>				
	●	74	0.16	7-9	100
QT45 // Whatman : 42	<i>Very slow filtration quantitative filter paper</i>				
	●	84	0.17	2-4	140
QT46	<i>Thick, very slow filtration quantitative filter paper</i>				
	●	100	0.2	2-3	195

Item codes

	Size (mm)	QT41	QT42	QT43	QT44	QT45	QT46
<div> <div>A</div> </div>	12.7	QT41A0013M *	QT42A0013M *	QT43A0013M *	QT44A0013M *	QT45A0013M *	
	45	QT41A0045	QT42A0045	QT43A0045	QT44A0045	QT45A0045	
	47	QT41A0047	QT42A0047	QT43A0047	QT44A0047	QT45A0047	
	55	QT41A0055	QT42A0055	QT43A0055	QT44A0055	QT45A0055	QT46A0055
	70	QT41A0070	QT42A0070	QT43A0070	QT44A0070	QT45A0070	QT46A0070
	90	QT41A0090	QT42A0090	QT43A0090	QT44A0090	QT45A0090	QT46A0090
	110	QT41A0110	QT42A0110	QT43A0110	QT44A0110	QT45A0110	QT46A0110
	125	QT41A0125	QT42A0125	QT43A0125	QT44A0125	QT45A0125	QT46A0125
	135	QT41A0135	QT42A0135	QT43A0135	QT44A0135	QT45A0135	
	150	QT41A0150	QT42A0150	QT43A0150	QT44A0150	QT45A0150	QT46A0150
	185	QT41A0185	QT42A0185	QT43A0185	QT44A0185	QT45A0185	QT46A0185
	210	QT41A0210	QT42A0210	QT43A0210	QT44A0210	QT45A0210	
	240	QT41A0240	QT42A0240	QT43A0240	QT44A0240	QT45A0240	QT46A0240
	320	QT41A0320	QT42A0320	QT43A0320	QT44A0320	QT45A0320	
<div> <div>P</div> </div>	70	QT41P0070	QT42P0070	QT43P0070	QT44P0070	QT45P0070	
	90	QT41P0090	QT42P0090	QT43P0090	QT44P0090	QT45P0090	
	110	QT41P0110	QT42P0110	QT43P0110	QT44P0110	QT45P0110	
	125	QT41P0125	QT42P0125	QT43P0125	QT44P0125	QT45P0125	
	150	QT41P0150	QT42P0150	QT43P0150	QT44P0150	QT45P0150	
	185	QT41P0185	QT42P0185	QT43P0185	QT44P0185	QT45P0185	
	240	QT41P0240	QT42P0240	QT43P0240	QT44P0240	QT45P0240	
	320	QT41P0320	QT42P0320	QT43P0320	QT44P0320	QT45P0320	
<div> <div>F</div> </div>	580 x 580	QT41F5858C	QT42F5858C	QT43F5858C	QT44F5858C	QT45F5858C	

Packing information:
 All packs contain 100 units
 * pack of 1000
 Other sizes upon request





Quantitative filters for specific applications

Applications



With additional chemical treatment, some grades of quantitative filter paper are modified and can be used for very specific applications.

filtraTECH's grades: **QT48** | **QT49**

		Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
QT48	<i>Magnesium-free filter paper, recommended for soil analysis</i>				
		80	0.2	6-8	150
QT49 // Whatman : 589/4	<i>Fast filtration quantitative filter paper, low fat content Recommended for determination of grease content in dairy products (milk, cheese)</i>				
		82	0.17	8-12	20

Strengthened ashless filter

Applications



The strengthened range of quantitative filter papers is produced according to the same demanding process as the other grades but offers a better resistance when wet. The strengthened ashless filters are recommended for gravimetric analysis of samples or precipitates' collection.

filtraTECH's grades: **QT51** | **QT53** | **QT55**

		Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
QT51 // Whatman : 541	<i>Strengthened very fast filtration quantitative filter paper</i>				
		84	0.2	25-30	9
QT53 // Whatman : 540	<i>Strengthened medium filtration quantitative filter paper</i>				
		84	0.2	14-18	55
QT55 // Whatman : 542	<i>Strengthened very slow filtration quantitative filter paper</i>				
		84	0.17	2-4	195

Item codes

	Size (mm)	QT48	QT49
A	55		QT49A0055
	70		QT49A0070
	90		QT49A0090
	110		QT49A0110
	125		QT49A0125
	150	QT48A0150	QT49A0150
	185		QT49A0185
	240		QT49A0240
P	125		QT49P0125
	150		QT49P0150
	185		QT49P0185
	240		QT49P0240



	Size (mm)	QT51	QT53	QT55
A	47	QT51A0047		
	55	QT51A0055	QT53A0055	QT55A0055
	70	QT51A0070	QT53A0070	QT55A0070
	90	QT51A0090	QT53A0090	QT55A0090
	110	QT51A0110	QT53A0110	QT55A0110
	125	QT51A0125	QT53A0125	QT55A0125
	140	QT51A0140		
	150	QT51A0150	QT53A0150	QT55A0150
	185	QT51A0185	QT53A0185	QT55A0185
	240	QT51A0240	QT53A0240	QT55A0240
P	125	QT51P0125	QT53P0125	QT55P0125
	150	QT51P0150	QT53P0150	QT55P0150
	185	QT51P0185	QT53P0185	QT55P0185
	240	QT51P0240	QT53P0240	QT55P0240



Packing information:
All packs contain 100 units
Other sizes upon request

Glass microfiber filter without binder

Applications



Made with 100% borosilicated microglass fibers, these filters offer an excellent level of very small particles retention (up to 0.7 µm) and a large loading capacity. They are particularly suitable for microfiltration of air, gases and liquids as they resist to 500 °C and are compatible to most solvents and reagents (except hydrofluoric acid).

filtraTECH's grades: **FV21 | FV22 | FV23 | FV24 | FV25 | FV26 | FV28 | FV31 | FV32**

	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
FV21 // Whatman : GF/A	Air pollution analysis				
	52	0.26	1.6	60	20
FV22 // Whatman : GF/B	Water analysis				
	143	0.70	1	200	50
FV23 // Whatman : GF/C	Suspended solid analysis				
	52	0.26	1.2	100	20
FV24 // Whatman : GF/D	Pre-filtration for membranes				
	120	0.53	2.7	30	20
FV25 // Whatman : GF/F	Very small particle filtration				
	75	0.45	0.7	310	50
FV26 // Whatman : 934 AH	Water control				
	65	0.28	1.5	60	50
FV28	Prefiltration for membranes				
	264	1.6	3.5	-	-
FV31	Battery separation				
	509	3.5	4	-	-
FV32	Filtration of coarses particles				
	162	1.06	8	-	-

Item codes

	Size (mm)	FV21	FV22	FV23	FV24	FV25	FV26
A	21	FV21A0021		FV23A0021		FV25A0021	FV26A0021
	24	FV21A0024	FV22A0024	* FV23A0024		FV25A0024	FV26A0024
	25	FV21A0025	FV22A0025	* FV23A0025	FV24A0025	* FV25A0025	FV26A0025
	37	FV21A0037	FV22A0037	* FV23A0037		FV25A0037	FV26A0037
	42.5	FV21A0042	FV22A0042	* FV23A0042		FV25A0042	
	47	FV21A0047	FV22A0047	* FV23A0047	FV24A0047	* FV25A0047	FV26A0047
	50	FV21A0050	FV22A0050	* FV23A0050			FV26A0050
	55	FV21A0055	FV22A0055	* FV23A0055	FV24A0055	* FV25A0055	FV26A0055
	60	FV21A0060		FV23A0060			
	70	FV21A0070	FV22A0070	* FV23A0070	FV24A0070	* FV25A0070	FV26A0070
	90	FV21A0090	FV22A0090	* FV23A0090	FV24A0090	* FV25A0090	* FV26A0090
	100			FV23A0100		FV25A0100	* FV26A0100
	110	FV21A0110	FV22A0110	** FV23A0110	FV24A0110	** FV25A0110	* FV26A0110
	125	FV21A0125	FV22A0125	** FV23A0125	FV24A0125	** FV25A0125	* FV26A0125
	150	FV21A0150	FV22A0150	** FV23A0150	FV24A0150	** FV25A0150	* FV26A0150
	185	FV21A0185	* FV22A0185	** FV23A0185	*	FV25A0185	*
	240	FV21A0240	* FV22A0240	** FV23A0240	* FV24A0240	** FV25A0240	*
F	60 x 90					FV25F0609	FV26F0609
	80 x 115			FV23F0811C			
	203 x 254	FV21F2025	FV22F2025	**			FV26F2025 *
	460 x 570	FV21F4657	**	FV23F4657	**		

FV28 - FV31 - FV32
All sizes and packing upon request

Packing information:
All packs contain 100 units
* pack of 50
** pack of 25
Other sizes upon request





Glass microfiber filter with binder

Applications



The glass microfiber filters with binder have a lower resistance to temperature (up to 180 °C maximum). The hydrophobic grade [FV27] is suitable for air and gas analysis. At the opposite, the hydrophilic grade [FV29] is adapted to liquid.

Binder: resin

filtraTECH's grades: **FV27** | **FV29**

	Weight (g/m²) DIN 53104	Thickness (mm)	Property	Retention efficiency (%) for 0.3 µm	Retention (µm)
FV27 // Whatman : GF10	Air pollution and exhaust fume control / weighing pads				
	73	0.40	Hydrophobic	99.9	-
FV29 // Whatman : GF6	Gravimetric analysis / weighing pads				
	73	0.35	Hydrophilic	-	0.6

Quartz microfiber

Applications






The quartz microfiber filters offer the same technical specifications as glass microfiber filters without binder, except for the higher temperature resistance (up to 900 °C). They are ideally suitable for the monitoring of suspended lead particles in air, emission of chimney smokes or any other acid solution.



filtraTECH's grade: **FQ30**

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Retention efficiency (%)
FQ30 // Whatman : QM/A	Highest temperature analysis, lead particles in air				
	85	0.43	1.5	60	99.999
Heavy metals traces (ppm)	As	Pb	Ni	Cd	
	0.75	0.75	2	1.5	

Item codes

	Size (mm)	FV27	FV29	
	25	FV27A0025	FV29A0025	
	47	FV27A0047	FV29A0047	
	55	FV27A0055	FV29A0055	
	70	FV27A0070	FV29A0070	
	90	FV27A0090	FV29A0090	
		FV27A0090C *	FV29A0090C *	
	100		FV29A0100	
	110	FV27A0110	FV29A0110	
	125	FV27A0125	FV29A0125	
	150	FV27A0150	FV29A0150	
	100 x 100		FV29F1010	*
	I = 50 mm x L = 100 m	FV27R0050	**	

Packing information:
All packs contain 50 units
* pack of 100
** roll sold individually
Other sizes upon request

	Size (mm)	FQ30	
	25	FQ30A0025	
	37	FQ30A0037	
	45	FQ30A0045	
	47	FQ30A0047	
	50	FQ30A0050	
	70	FQ30A0070	
	90	FQ30A0090	
	110	FQ30A0110	
	125	FQ30A0125	
	150	FQ30A0150	
	203 x 254	FQ30F2025	*

Packing information:
All packs contain 50 units
* pack of 25
Other sizes upon request



SPECIAL PAPERS AND OTHER LABORATORY CONSUMMABLES

Bench protective paper

Applications




The bench protective papers are made with an absorbent paper on one side and with a PE-coated film on the other. These papers give a good protection of laboratory benches against impacts, acids, toxic, corrosive and radioactive fluids.

filtraTECH's grades: **PP125 | PP210 | PP400**



	Cellulose	PE film	Absorption capacity (ml/m ²)
	Weight (g/m ²)		
PP125 // Whatman : Benchkote	100	25	240
PP210	190	35	410
PP400 // Whatman : Benchkote Plus	375	20	750

	Size (mm)	PP125	PP210	PP400
	420 x 520	PP125F4252 *		
	460 x 570	PP125F4657 *		
		PP125F4657L	PP210F4657	PP400F4657
	500 x 600	PP125F5060 *	PP210F5060	
	400	PP125R0400		
	460	PP125R0460	PP210R0460	
	490	PP125R0490	PP210R0490	
	600	PP125R0600	PP210R0600	
	920	PP125R0920	PP210R0920	

Packing information:
All packs contain 50 units
* pack of 100
Roll of 50 m
Other sizes upon request

Joseph paper

Applications

The Joseph paper is non fluffy and absorbent; it is ideal for cleaning and drying glass containers, tubes, flasks, microscopic plates, bottles in laboratories or hospitals.

filtraTECH's grade: **PJ**



	Size (mm)	PJ	Sheets
	120 x 120	PJ500F1212	500
		PJ200F1515	200
	150 x 150	PJ500F1515	500
		PJ500F3550	500
	350 x 500	PJ800F3550	800

	Size (mm)	PJ	Sheets
	350 x 500	PJ25M3550	25
		PJ40M3550	40
		PJ50M3550	50
		PJ100M3550	100
		PJ500M3550	500
		PJ800M3550	800

Cleaning paper

Applications



Food use: Pure wadding, high quality, white, conform to food industry norms, 19 g/m²

Standard use: Standard wadding, unbleached colour, suitable to most common applications, 19 g/m²

Industrial use: Recycled wadding, orange/brown colour economical, more resistant, used in industrial fields, 22 g/m²

filtraTECH's item : **ES**

	Size (mm)	ES	Sheets	Rolls
Food	215 x 250	ES045R2125A	500	6
	200 x 300	ES100R2530A	1000	2
Standard	200 x 300	ES045R2235S	450	6
	250 x 300	ES100R2530S	1000	2
		ES150R2530S	1500	2
Industrial	250 x 300	ES100R2530I	1000	2
		ES150R2530I	1500	2



Holder for cleaning paper

Applications

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

filtraTECH's item: **SUP**

	SUP
Stand holder	SUPPIED
Wall holder	SUPMURAL





Lens cleaning tissue

Applications



The lens cleaning tissue is made with 100% Manila fibers. It does not scratch and is not fluffy. It is used for the cleaning of optical lens (objective, microscope, binoculars), glasses, and optical fiber filaments.

filtraTECH's grades: **OP12** | **OP13**

	Weight (g/m ²) DIN 53104	Use
OP12	12	Economical version
OP13 // Whatman: 105	13	Premium grade, more resistant

	Size (mm)	OP12	Sheets	OP13	Sheets
	100 x 150	OP12F1015	100	OP13F1015	100
	135 x 170	OP12F1317	500	OP13F1317	500
	135 x 190	OP12F1319	500		
	200 x 300	OP12F2030	100		
	460 x 570	OP12F4657	500		
	600 x 600	OP12F6060D	500		
	80 x 100	OP12L0810	25	OP13L0810L	50
	95 x 135	OP12L0913	25	OP13L0913L	50
	100 x 150	OP12L1015B	25 x 25	OP13L1015L	50



Blotting pad

Applications



Made with a very absorbent paper, the blotting pads (73 g/m²) are perfect to dry excessive liquids in microscopic preparations.

filtraTECH's grade: **SL73**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Size (mm)	SL73	Sheets
SL73	73	0.17	37 x 100	SL73L0310	50



Weighing paper

Applications



The weighing papers bare a satin surface and are used to weigh all types of substances (beet mash, powders, liquids,...).
filtraTECH's grades : **PE25** | **PE45**

	Weight (g/m ²) DIN 53104	Application	Property
PE25	25	grated beet weighing	easily crushable
PE45	45	liquid samples	wet-strength resistance

	Size (mm)	PE25	PE45
	70 x 70	PE25F0707 **	
	76 x 76		PE45F0707D *
	95 x 110		PE45F0911
	100 x 100		PE45F1010
			PE45F1010D *
		PE25F1010 **	PE45F1010M **
	120 x 120		PE45F1212
	150 x 150		PE45F1515
			PE45F1515D *

Packing information:
All packs contain 250 units
* pack of 500
** pack of 1000
Other sizes upon request



Weighing boat

Applications

Made in parchment paper with a low nitrogen content, the weighing boats enable to weigh and transport easily various substances such as viscous products, pasty products or powders. Available in boxes of 100 units of 58x10x10 mm.
filtraTECH's item: **NP581010**



Aluminium weighing plate

Applications

These aluminum cups are suitable for weighing powders, for distribution, for storage and for determining the humidity in a desiccator.
filtraTECH's grade: **NPA**

Size (mm)	Height (mm)	NPA
56	8	NPA0056C
72		NPA0072C
93		NPA0093C

Packing information:
All packs contain 100 units







Phase separating paper


Applications



The phase separating paper is a hydrophobic paper made with silicone impregnation used for the separation of aqueous solutions from organic solutions. It allows a quick separation of elements and replaces the use of a separating funnel.

filtraTECH's grade: **FS92**

	Weight (g/m ²)	Thickness (mm)	Filtration speed (sec)		Size (mm)	FS92
FS92 // Whatman: 1PS	85	0.17	25		70	FS92A0070
					90	FS92A0090
					110	FS92A0110
					125	FS92A0125
					150	FS92A0150
					185	FS92A0185
					210	FS92A0210
					240	FS92A0240
					185	FS92P0185





Packing information:

All packs contain 100 units
Other sizes upon request

Phosphate-free filter paper

Applications



In order to preserve the results of soil analysis from phosphate contamination issued from the paper itself, we suggest you use phosphate-free filter paper.

2 grades are available for the determination of potassium and phosphate levels (Egner, Riehm & Lederle method), sugar ratio post-determination or filtration of fine crystalline sulphide precipitates in the analysis of iron.

filtraTECH's grades: **FS93 | FS94**

	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137
FS93	<i>Medium / fast flow</i>			
	85	0.2	8-12	22
FS94 // Whatman: 512	<i>Very slow flow</i>			
	76	0.16	2-3	200

Packing information:

All sizes upon request

Nitrogen-free filter paper

Applications



These filters contain a very low level of nitrogen and offer a slow filtration speed. They are suitable for the determination of the nitrogen content in steel and iron rough, or even glycaemia according to Hagedorn-Jensen.

filtraTECH's grade: **FS96**

	Weight (g/m ²) DIN 53104	Thickness (mm)	Filtration speed (sec)	Nitrogen content
FS96 // Whatman : 2095	85	0.17	100	≈ 0.05 mg / ø disc 110 mm

	Size (mm)	FS96		Size (mm)	FS96		Size (mm)	FS96
	90	FS96A0090		125	FS96P0125		100 x 100	FS96F1010
	110	FS96A0110		150	FS96P0150		120 x 120	FS96F1212
	125	FS96A0125		190	FS96P0190		200 x 200	FS96F2020
	150	FS96A0150						

Packing information:
 All packs contain 100 units
 Other sizes upon request

Black filter paper

Applications



This filter paper is made with the addition of black dye and used to reveal the white and light particles by contrast such as fluorine, silicon detection, mycelium in cultivated mushrooms...

filtraTECH's grade: **FS98**

	Weight (g/m ²) DIN 53104	Thickness (mm)	Filtration speed (sec)		Size (mm)	FS98
FS98 // Whatman : 551	85	0.17	45		70	FS98A0070
					90	FS98A0090
					110	FS98A0110
					125	FS98A0125
					150	FS98A0150
					185	FS98A0185



Packing information:
 All packs contain 100 units
 Other sizes upon request



Activated carbon filter paper

Applications



This paper contains about 35% of high quality activated carbon and it is recommended for a use in various fields in both laboratories (clarification and brightening of duff and dark urines) and in industry (filtration of galvanic baths, clarification of coloured liquids, odor absorption).

filtraTECH's grade: **FS99**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Filtration speed (sec)
FS99 // Whatman : 508	155	0.35	60

	Size (mm)	FS99
	55	FS99A0055
	70	FS99A0070
	90	FS99A0090
	110	FS99A0110
	125	FS99A0125
	140	FS99A0140
	150	FS99A0150
	185	FS99A0185
	210	FS99A0210
	240	FS99A0240

	Size (mm)	FS99
	195 hole: 61	FS99A195/61
	258 hole: 40	FS99A258/40
	456 hole: 100	FS99A456/100

	Size (mm)	FS99
	600 x 600	FS99F6060

Packing information:
All packs contain 100 units
Other sizes upon request

Brewery industry filter paper

Applications



This embossed filter paper is suitable for analytical methods in breweries according EBC procedures (European Brewery Convention) and for sample preparation for extract determination of malt.

filtraTECH's grade: **FS97**

	Weight (g/m ²) DIN 53104	Thickness (mm)	Filtration speed (sec)
FS97 // Whatman : 2555	75	0.17	15



	Size (mm)	FS97
	150	FS97A0150
	185	FS97A0185
	240	FS97A0240

	Size (mm)	FS97
	240	FS97P0240
	270	FS97P0270
	320	FS97P0320

Packing information:
All packs contain 100 units
Other sizes upon request

Test seed paper

Applications



Due to their absorbent power, the seed papers are used to control the germination of seed samples because they retain enough water and they prevent the penetration of the roots in the paper. These papers are made from the highest quality of wood fibres to avoid any contact with toxic parts (bacteria, sporis...).

filtraTECH's grades: **PG110 | PG120 | PG155 | PG160 | PG300**

There are 3 application methods:

TP: top of paper

BP: between paper (2 layers)

PP: pleated paper



	Colour	Weight (g/m ²) DIN 53104	Thickness (mm)	Method	Aspect
PG110 // Whatman: 3236	●	110	0.22	PP	Smooth
P120 // Whatman: 3014	○	120	0.22	PP / TP	Smooth
PG155 // Whatman: 520B	○	155	0.55	BP	Creped
PG160 // Whatman: 3024	○	160	0.38	TP	Smooth
PG300 // Whatman: 3644	●	300	0.65	TP	Smooth

	Size (mm)	PG110	PG120	PG155	PG160	PG300
	90		PG120A0090D 500		PG160A0090 100	
	110		PG120A0110D 500			
	110 x 20 x 2000	PG110P110M 1000	PG120P110/32 32 PG120P110M 1000			
	80 x 100					PG300F0810B 100
	85 x 120				PG160F0812D 500	
	105 x 155				PG160F1015 100	
	320 x 370				PG160F3237 100	
	600 x 600			PG155F6060 100	PG160F6060 100	

Packing information:
Other sizes upon request



Sugar industry filter paper

Applications



Usable in the food industry, the filter papers for the sugar industry offer a fast filtration or a very fast filtration for the clarification of beetroot juice or cane sugar juice (for efficient saccharimetric tests or after lead acetate addition).

filtraTECH's grades: **FS90** | **FS91**



	Weight (g/m ²)	Aspect	Filtration speed	Application
FS90 // Whatman : 3002	64	Smooth	very fast	beetroot juice clarification
FS91 // Whatman : 91	64	Creped	fast	sugar cane juice clarification

	Size (mm)	FS90	FS91
	110		FS91A0110
	125		FS91A0125
	140		FS91A0140
	150		FS91A0150
	185		FS91A0185
			FS91A0185D **
	240		FS91A0240
			FS91A0240D **
	185		FS91P0185
	240		FS91P0240

	Size (mm)	FS90	FS91
	210	FS90C0210 *	
	215	FS90C0215 *	
	225	FS90C0225 *	
	250	FS90C0250 *	
	580 x 580	FS90F5858D **	FS91F5858D **
	600 x 600	FS90F6060D **	

Packing information:

All packs contain 100 units

* pack of 250

** pack of 500

Other sizes upon request

Non woven filter & filter card

Applications



The non woven filters of our range can be used for sediment determination in dairy products (food contact approved). They come in different sizes and shapes depending on market habits.

filtraTECH's grades: **NT110** | **NT130**

	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	NT110A0032	NT130A0032
	35	NT110A0035	
	47	NT110A0047	NT130A0047
	50 x 50	NT110F0505	* NT130F0505 *

Packing information:
 All packs contain 1000 units
 * pack of 500 units

Applications

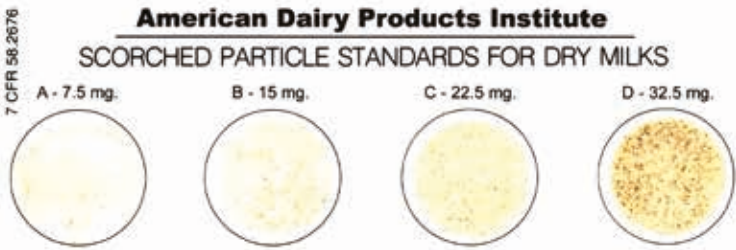
The filter cards (NT110 non woven filter stuck on a printed cardboard for archives) are used in food industry laboratories, among others in milk powder analysis.

filtraTECH's grade: **CF110**



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

Size (mm)	CF110
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determination of sediments in milk powder, dairy products	45 x 80	CF110N4580
determination of scorched particles in milk powder according to ADMI method	57 x 155	CF110N57155

Packing information:
 All packs contain 500 units



Antibiotic assays

Applications

Made with 100% cotton linters, this very absorbent paper is suitable to identify the agents which are the cause of infectious diseases and to test the resistance of pathogenic organisms.

filtraTECH's grade: **PA320**



	Weight (g/m ²) DIN 53104	Thickness (mm)
PA320 // Whatman : AA	270	0.7



Size (mm)	PA320
6	PA320A0006
9	PA320A0009
12.7	PA320A0013
25	PA320A0025

Packing information:

All packs contain 1000 units
Other sizes upon request

Cyto-centrifugal paper

Applications

This blotting is used to absorb the liquid remaining from the staining of the sample from the cytoslides in analysis with Shandon and Bayer cytological centrifuges.

filtraTECH's grade: **CY430**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Absorption (ml/cm ²)
CY430	430	0.9	6.8



Size (mm)	Nb holes	CY430
25 x 62	1	CY430F2562/1T
25 x 77	2	CY430F2577/2T

Packing information:

All packs contain 200 units
Other sizes upon request

Specimen collection paper

Applications



This paper is manufactured with high quality cellulose (pure cotton linters) and used for blood sample collection and newborn screening.

filtraTECH's grade: **BSC**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Water asorption (g/100 cm ²)
BSC // Whatman : 903	182	0.47	3.35

Packing information:

The cards are customized by the
requirements of the healthcare
professionals.

Sterilization paper

Applications



According EN 868-2 norm, the sterilization paper (creped surface, 60 g/m²) is used to wrap medical clothes, surgical instruments and other articles that require steam, gas and gamma-ray sterilization.

filtraTECH's grade: **PS60**

	Weight (g/m ²) DIN 53104	Thickness (mm)	Cobb absorption (mm/10 min)	pH value	Air permeability (µm)
PS60	60	0.16	16-18	6.12	43



	Size (mm)	PS60		
	300 x 300	PS60F3030B	○	2000
	500 x 500	PS60F5050B	○	500
		PS60F5050V	●	
	600 x 600	PS60F6060B	○	500
		PS60F6060V	●	
	600 x 900	PS60F6090B	○	500
	750 x 750	PS60F7575B	○	250
		PS60F7575V	●	
	900 x 900	PS60F9090B	○	250
		PS60F9090V	●	
	1000 x 1000	PS60F100100B	○	250
		PS60F100100V	●	
	1200 x 1200	PS60F120120B	○	100

Packing information:
Available in:
white colour ○
green colour ●
Other sizes upon request

Sterilization indicator tape

Applications



This indicator tape will secure the sterilization of your instruments. Dark lines will appear on the indicator tape if the sterilization was effective in the autoclave and can be removed from the machine. No need to wait any longer, you can take them out of the autoclave.

filtraTECH's item: **SIT019R050**

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





Chromatography

Applications



Produced with high quality cotton linters with an α cellulose content of 98 %, the chromatography papers allow absorbing samples more or less important depending on the thickness of the grade.

NB: the capillary rise is always higher in machine direction than cross direction.

filtraTECH's grades: **CH51 | CH53 | CH54 | CH58 | CH59**



	Weight (g/m ²) DIN 53104	Thickness (mm)	Capillary rise (mm/30 min))
CH51 // Whatman: 1CHR	<i>Routine works in chromatography, determination of the presence of malic acid in wine</i>		
	90	0.20	120-130
CH53 // Whatman: 2CHR	<i>Finest analysis, determination of components by elution</i>		
	90	0.18	90-100
CH54 // Whatman: 20CHR	<i>Separation of samples of unknown composition with outstanding resolution at low loadings</i>		
	140	0.28	90-100
CH58 // Whatman: 3MMCHR	<i>Electrophoresis works, highly charged solution chromatography, separation of organic compounds, separation and identification of additives in food</i>		
	180	0.36	90-100
CH59 // Whatman: 17CHR	<i>Electrophoresis of thicker particles, protein analysis in serums</i>		
	270	0.7	130-140

	Size (mm)	CH51	CH53	CH54	CH58	CH59
	100 x 300	CH51F1030				
	200 x 200	CH51F2020			CH58F2020	
	460 x 570	CH51F4657	CH53F4657	CH54F4657	CH58F4657	
	580 x 600	CH51F5860	CH53F5860	CH54F5860		CH59F5860 *

	L = 50	CH51R0050
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Packing information:

All packs contain 100 units
* Pack of 25
Roll : 100 meters



Blotting paper

Applications



The blotting papers are used for their great absorption qualities; they are suitable for the Cobb method (determination of water absorption in the production of sized paper) or for the pulp industry (sheet formation testing).

filtraTECH's grades: **PB190 | PB255**

	Weight (g/m ²)	Absorption (g/m ²)
PB190	190	300
PB255	255	490



	Size (mm)	PB190	PB255
	120 x 120		PB255F1212
	150 x 150	PB190F1515	PB255F1515
	150 x 300	PB190F1530	
	160 x 160		PB255F1616
	170 x 170		PB255F1717
	200 x 200	PB190F2020	PB255F2020
	220 x 220	PB190F2222	PB255F2222
	250 x 250	PB190F2525	PB255F2525
	250 x 300	PB190F2530	PB255F2530
	300 x 300		PB255F3030
	500 x 500	PB190F5050	PB255F5050
	500 x 650	PB190F5065	PB255F5065
	680 x 680		PB255F6868
	250 x 1000	PB190F25100	PB255F25100
	270 x 1000	PB190F27100	PB255F27100

Packing information:
All packs contain 100 units
Other sizes upon request

Printed circuit board control paper

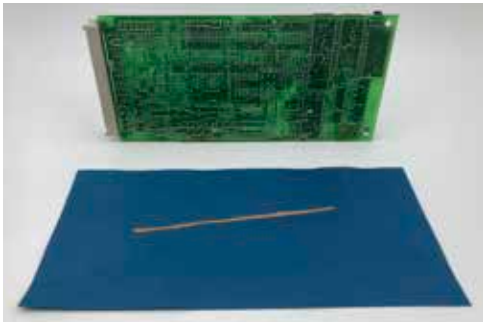
Applications



During the electronic card cleaning process, the test paper is used to check that the fluid has been sprayed correctly on the entire card.

The paper thus turns from blue to yellow (indication of the areas of application of the acid on the printed circuit).

filtraTECH's item: **PH055**



	Size (mm)	PH055
	254 x 300	PH055F2530

Packing information:
All packs contain 100 units
Other sizes upon request



Cellulose stoppers

Application

Economical and hygienic, the cellulose stoppers are efficient to seal flasks, test tubes, Erlenmeyers and various bottles in laboratories.

Made with pure cellulose fibres, they are permeable to air and sterilizable to 200 °C.

Single use recommended.

filtraTECH's item: **BOC**

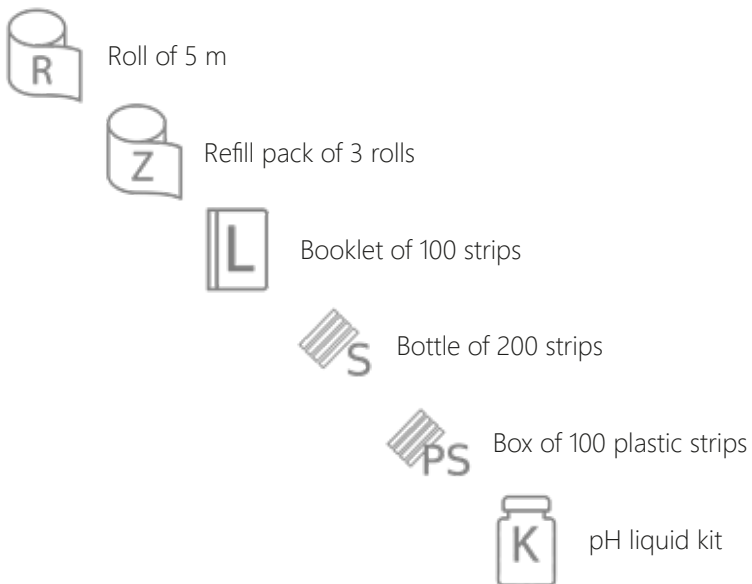


Size (mm) d1 x d2 x h	BOC	Size (mm) d1 x d2 x h	BOC
5 x 9 x 30	BOC050930M	20 x 23 x 41	BOC202341D
6 x 8.5 x 11	BOC060811M	23 x 28 x 30	BOC232830D
7 x 11 x 30	BOC071130M	24 x 28 x 43	BOC242843Q
8 x 14 x 32	BOC081432M	25 x 34 x 60	BOC253460Q
9 x 12 x 30	BOC091230M	26 x 36 x 60	BOC263660Q
10 x 18 x 37	BOC101837M	28 x 33 x 63	BOC283363Q
11 x 16 x 32	BOC111632M	29 x 38 x 60	BOC293860Q
12 x 17 x 37	BOC121737M	30 x 40 x 40	BOC304040Q
12 x 18 x 42	BOC121842M	30 x 42 x 55	BOC304255C
12 x 20 x 32	BOC122032M	33 x 37 x 63	BOC333763C
13 x 18 x 32	BOC131832M	35 x 36 x 40	BOC353640Q
15 x 19 x 30	BOC151930M	35 x 40 x 60	BOC354060C
16 x 20 x 30	BOC162030M	37 x 50 x 50	BOC375050C
17 x 21 x 38	BOC172138M	39 x 61 x 63	BOC396163L
18 x 22 x 30	BOC182230M	40 x 58 x 65	BOC405865L
19 x 24 x 30	BOC192430M	58 x 65 x 70	BOC586570W

Packing information:
Other sizes upon request



INDICATOR PAPER



Roll (R): 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 aluminum foil to protect efficiently the reagent paper from air and light.

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

Booklet (L): precut strips of sufficient length for your analysis, economic and convenient to use.

Bottle (S): precut strips protected in strong ergonomic and hermetic bottle (tamper collar).

Plastic Strips (PS): non-bleeding plastic strips (multiple reactive zones) for the best accuracy

Pack (K): pack with reactive solution (30 ml bottle), colour scale and empty testing flask with cap







pH indicator paper

Applications



The pH indicator papers are impregnated with one or several coloured indicator solutions which allow a quick and precise reading of pH of liquid solutions. You have to soak a piece of pH paper into the solution to be tested and compare it to the colour of the printed colorimetric scale (direct reading).

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	PH010R	PH010Z	PH010L	PH010S
0.5 - 5	PH055R	PH055Z	PH055L	PH055S
1 - 11	PH111R	PH111Z	PH111L	PH111S
1 - 14	PH114R	PH114Z	PH114L	PH114S
3.8 - 5.4	PH354R	-	PH354L	PH354S
4.0 - 7.0	PH470R	-	-	PH470S
5.5 - 9.0	PH590R	PH590Z	PH590L	PH590S
6.4 - 8.0	PH680R	PH680Z	PH680L	PH680S
6.5 - 10	PH610R	-	-	-
9.5 - 13	PH913R	PH913Z	PH913L	PH913S

Reagent paper

Applications



The reagent papers without colorimetric scale are simple indicator papers used for quick determination. Each paper is already coloured and will vary to another shade depending on the tested solution.

Type	Use	Colours	R	Z	L	S
Blue litmus	General control of acid or alkaline solutions		PHTRSOLBR	PHTRSOLBZ	PHTRSOLBL	PHTRSOLBS
Neutral litmus			PHTRSOLNR	-	PHTRSOLNL	PHTRSOLNS
Red litmus			PHTRSOLRR	-	PHTRSOLRL	PHTRSOLRS
Potassium iodated starched	Detection of nitrites in free chlorine		PHIOPOTAR	PHIOPOTAZ	PHIOPOTAL	PHIOPOTAS
Red congo	Control of acid reactions		PHCONGOR	-	PHCONGOL	PHCONGOS
Phenolphthalein	Control of neutrality		PHPHENOLR	-	-	PHPHENOLS
Lead acetate	Detection of sulphuric hydrogen		PHACEPLOMR	-	PHACEPLOML	PHACEPLOMS



Packing information:

- Roll of 5 m
- Refill pack of 3 rolls
- Booklet of 100 strips
- Box of 200 strips





Non bleeding pH test strip

Applications



For a greater reliability on results and an easier handling, it is recommended to use pH plastic strips. Thanks to its stiffness, the strip can remain dipped into the solution. This operation cannot contaminate the sample since the indicators are fixed to cellulose fibres and do not bleed. The result is more accurate because of the multiple result zones on the strips and chart.

Intervals	pH value scale per grade															Nb of coloured zones	PS
0.5 - 5	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	-	-	-	-	-	2	PH055PS
5.5 - 9	5.5	6	6.5	7	7.5	8	8.5	9	-	-	-	-	-	-	-	2	PH590PS
9.5 - 13	9.5	10	10.5	11	11.5	12	12.5	13	-	-	-	-	-	-	-	2	PH913PS
0 - 14	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	4	PH114PS
0 - 6	0	1	2	3	4	5	6	-	-	-	-	-	-	-	-	2	PH060PS
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	PH714PS
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	8.0	8.5	9	-	2	PHDIAG



Liquid pH pack

Applications



To easily determine the acidity of your solutions, we developed pH liquid indicator sold in pack.

Depending on the pH value of your solution (value between 4.0 and 8.0, you will have to adjust your solution either with sulphuric acid (pH -) or sodium carbonate (pH +).

For a use in hydroponic farming, it is recommended to obtain a pH value between 5.5 and 6.5.

Included in the pack: a 30 ml bottle of reactive solution (~ 200 tests), a colour scale and an empty flask with cap to make the tests.


filtraTECH's item: **PH480K**





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
- Included:
- ✓ 30 ml bottle of reactive solution (~ 200 tests)
 - ✓ colour scale
 - ✓ empty flask with cap


MEMBRANES FILTERS

 White, plain, non sterile

 White, plain, sterile

 White, black gridded, sterile

 Black, white gridded, sterile

 Black, plain, non sterile





CA - Cellulose acetate

Application

The CA membranes are produced with pure cellulose acetate which is then modified. They have a high filtration efficiency. Naturally hydrophilic, they present a good thermic stability and a weak fixation of proteins. They are suitable for biological, aqueous samples and for filtration of proteins or enzymes.

Packing information:
All packs contain 100 units
Other diameters upon request
(ø 37 mm, 142 mm, 293 mm)

Pore size (µm) [for Ø 47 mm]	0.22	0.45	0.65	0.80	1.20	5.00
Water flow (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	MF025CA022	MF025CA045	MF025CA065	MF025CA080	MF025CA120	MF025CA0500
	47	MF047CA022	MF045CA045	MF047CA065	MF047CA080	MF047CA120	MF047CA0500
	50	MF050CA022	MF050CA045	MF050CA065	MF050CA080	MF050CA120	MF050CA0500
	90	MF090CA022	MF090CA045	MF090CA065	MF090CA080	MF090CA120	MF090CA0500
	47	MF047CA022S	MF047CA045S				



MCE - Mixed cellulose esters

Application

The MCE membranes are made with cellulose acetate and cellulose nitrate fibres; they are naturally hydrophilic, mechanically stable and have a high loading capacity. They are suitable for microbiological analysis, for colonies counting or for prefiltration and clarification of samples.

Packing information:

All packs contain 100 units

* pack of 200 units

Other diameters upon request
(ø 37 mm, 142 mm, 293 mm)

Pore size (µm) [for Ø 47 mm]	0.22	0.45	0.65	0.80	1.20	3.00	5.00	8.00
Water flow (mL/min/cm ² @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

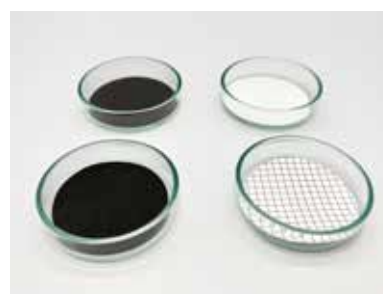
	Ø (mm)	0.22 µm	0.45 µm	0.65 µm	0.80 µm	1.20 µm	3.00 µm	5.00 µm	8.00 µm
	13	MF013ME022 *	MF013ME045 *	MF013ME065 *	MF013ME080 *	MF013ME120 *	MF013ME300 *	MF013ME500 *	MF013ME800 *
	25	MF025ME022	MF025ME045	MF025ME065	MF025ME080	MF025ME120	MF025ME300	MF025ME500	MF025ME800
	47	MF047ME022	MF047ME045	MF047ME065	MF047ME080	MF047ME120	MF047ME300	MF047ME500	MF047ME800
	50	MF050ME022	MF050ME045	MF050ME065	MF050ME080	MF050ME120	MF050ME300	MF050ME500	MF050ME800
	90	MF090ME022	MF090ME045	MF090ME065	MF090ME080	MF090ME120	MF090ME300	MF090ME500	MF090ME800

	Ø (mm)	0.22 µm	0.45 µm
	47	MF047ME022S	MF047ME045S
	50	MF050ME022S	MF050ME045S

	Ø (mm)	0.45 µm	8.00 µm
	47	MF047ME045B	MF047ME800B
	50	MF050ME045B	MF050ME800B

	Ø (mm)	0.22 µm	0.45 µm	0.80 µm
	47	MF047ME022GS	MF047ME045GS	MF047ME080GS
	50	MF050ME022GS	MF050ME045GS	MF050ME080GS


	Ø (mm)	0.45 µm	0.80 µm	8.00 µm
	47	MF047ME045BGS	MF047ME080BGS	MF047ME800BGS
	50	MF050ME045BGS	MF050ME080BGS	MF050ME800BGS




MCE - Continuous membranes

Application

To fully complete the range of MCE membrane filters, filtraTECH also offer sterile gridded continuous membranes.

	Ø (mm)	0.22 µm	0.45 µm	0.80 µm
	47	MF047ME022GS/R	MF047ME045GS/R	MF047ME080GS/R

	Ø (mm)	0.45 µm
	47	MF047ME045BGS/R

Packing information:
All packs contain 150 units
Other diameters upon request



Membrane dispenser

Use

To easily open the plastic wrapping and delicately extract the membrane from its shell without contamination, you can buy a stainless steel membrane dispenser. Robust, practical and easy to use, this dispenser will be a great help for all your manipulations to preserve the sterility and quality of the membranes.

filtraTECH's item: **MFDISTRI**



NYL - Polyamide

Application

Naturally hydrophilic, nylon membranes are used for aqueous samples, alkaline or organic filtration of HPLC samples for their chemical resistance to alkaline solutions and solvents.

Packing information:
All packs contain 100 units
* pack of 200 units
Other diameters upon request

Pore size (µm) [for Ø 47 mm]	0.22	0.45	0.80	1.00	3.00	5.00
Water flow (mL/min/cm ² @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
	13	MF013NY022 *	MF013NY045 *	MF013NY080 *	MF013NY100 *	MF013NY300 *	MF013NY500 *
	25	MF025NY022	MF025NY045	MF025NY080	MF025NY100	MF025NY300	MF025NY500
	47	MF047NY022	MF047NY045	MF047NY080	MF047NY100	MF047NY300	MF047NY500
	90	MF090NY022	MF090NY045	MF090NY080	MF090NY100	MF090NY300	MF090NY500



PC - Polycarbonate

Application

Hydrophilic and chemically resistant to organic solvents, the PC membranes are very efficient in term of flow rate due to their asymmetrical structure. They present a good chemical and thermic stability and are adapted to the electronic microscope analysis.

Packing information:

All packs contain 100 units
Other dimensions and pore size upon request

Pore size (µm) [for Ø 47 mm]	0.22	0.45
Water flow (mL/min/cm ² @0.7bar)	10	30

Ø (mm)	0.22 µm	0.45 µm
25	MF025PC022	MF025PC045
47	MF047PC022	MF047PC045



PES - Polyethersulfone

Application

The highly asymmetrical pore structure of our PES membranes offers an excellent loading capacity and a high flow rate. Naturally hydrophilic, they are made with polyethersulfone polymer and are designed to remove particles during general filtration and their low protein and drug binding characteristics make them ideally suited for life science applications.

Packing information:

All packs contain 100 units
Other dimensions and pore size upon request

Pore size (µm) [for Ø 47 mm]	0.22	0.45
Water flow (mL/min/cm ² @10psi)	11-16	30-48
Bubble point (psi)	51-65	35-53

Ø (mm)	0.22 µm	0.45 µm
25	MF025PE022	MF025PE045
47	MF047PE022	MF047PE045
90	MF090PE022	MF090PE045



PP - Polypropylene

Application

Hydrophobic, polypropylene membranes show an excellent chemical compatibility with most organic solvents but can only resist temperatures below 50°C. They are specifically recommended for ionic chromatography.

Packing information:

All packs contain 100 units
Other dimensions and pore size upon request

Pore size (µm) [for Ø 47 mm]	0.22	0.45
Ethyl alcohol flow (mL/min/cm ² @10psi)	250-300	300-450

Ø (mm)	0.22 µm	0.45 µm
25	MF025PP022	MF025PP045
47	MF047PP022	MF047PP045
90	MF090PP022	MF090PP045



PTFE - Polytetra-fluoroethylene

Application

Naturally hydrophobic, the PTFE membranes are made with polytetra-fluoroethylene laminated with a PP layer. They can be used in air and gas filtration or for chemically aggressive or acid for samples. For the filtration of aqueous solutions, you should wet them first with isopropanol.

Packing information:

All packs contain 100 units

* pack of 200 units

Other diameters upon request

Pore size (µm) [for Ø 47 mm]	0.22	0.45	1.00	5.00
Ethyl alcohol flow (mL/min/cm ² @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	MF013PT022 *	MF013PT045 *		
25	MF025PT022	MF025PT045	MF025PT100	MF025PT500
37		MF037PT045	MF037PT100	
47	MF047PT022	MF047PT045	MF047PT100	MF047PT500
90	MF090PT022	MF090PT045		

RC - Regenerated cellulose

Application

RC membrane filters are hydrophilic and show a high chemical resistance to all solvents. They are very convenient for solvent filtration.

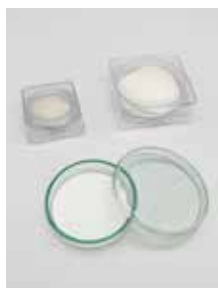
Packing information:

All packs contain 100 units

Other diameters upon request

Pore size (µm) [for Ø 47 mm]	0.22	0.45
Water flow (mL/min/cm ² @10psi)	9-11	30-48
Bubble point (psi)	19-22	10-15

Ø (mm)	0.22 µm	0.45 µm
25	MF025RC022	MF025RC045
47	MF047RC022	MF047RC045
90	MF090RC022	MF090RC045



Glass solvent filters

Application

Entirely made with high quality extra hard glass, this apparatus is suitable for removal of particles in solvents and for purification of HPLC solutions. Suitable for membranes of size 47 ou 50 mm.

filtraTECH items: **AP47**

grinding type



stopper type



AP47

grinding type	AP47G300R
stopper type	AP47G300B

Information:

Included:

- ✓ funnel of 300 ml
- ✓ filter support in Pyrex fritted glass (10 µm)
- ✓ flask of 1000 ml
- ✓ aluminium clamp
- ✓ rubber pipe

Possibility to order the spare parts

Vacuum pump

Application

The vacuum pump is made of aluminium alloy and can be used together with a glass solvent filter or with a multiple vacuum filtration system.

filtraTECH item: **POMPE200**

Information:

Pumping speed: 30 L/min
Motor power: 180 W
Noise: < 50 db
Weight: 7.5 kg
Size: 25 x 13.5 x 21 cm

SS316 multiple-branch manifold for vacuum system

Application

This filtration system is completely made in SS316L; it is particularly designed for the filtration of several samples at the same time.

Suitable for membranes of size 47 or 50 mm.

filtraTECH item: **RF**

3 branches

6 branches

RF3SS300	RF6SS300
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Information:

Included:

- ✓ SS316L funnels of 300 ml
- ✓ SS316L filter support
- ✓ Aluminium clamps
- ✓ SS316L valves

Spare parts available individually



A model equipped with a manometer is also available (upon request only). This system is sold only with 3 funnels of 250 ml each.

filtraTECH item: **RF3SS250M**

SYRINGE FILTERS



Syringe filter, non sterile



Syringe filter, sterile



Syringe filter + microfiberglass prefilter, non sterile



Syringe filter + microfiberglass prefilter, sterile

Diameter	13 mm	25 mm	33 mm
Materiel - all except GF	PP (injection moulding)		
Material - with GF	PP (ultrasonic welding)		
Filtration area	1.09 cm ²	4.08 cm ²	5.39 cm ²
Sample volume	<30 mL	< 100 mL	< 200 mL
Holdup volume	< 10 µL	< 25 µL	< 35 µL
Max pressure	75 psi		
Max temperature	50°C		
Inlet	female luer lock		
Outlet	male luer slip		
If sterilisation	gamma rays		

Our range of syringe filters come in 3 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 colored ring for an easy recognition of the syringe filter in the laboratory (except for glass microfiber syringe filters: ultrasonically welded PP housing) and of reinforcing the body robustness during filtration process (minimized risk of opening under the syringe pressure).

For sterilized goods, we use gamma-ray methods.







CA - Cellulose acetate

The CA syringe filters have a hydrophilic membrane that allows the filtration of aqueous solutions, especially in biology. The sterile syringe filters are suitable for cell culture applications, for proteins or enzymes samples.

Chemical compatibility: pH 3-7



Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm	0.80 µm	1.20 µm	3.00 µm	5.00 µm
Water flow (mL/min/cm ² @10psi)	9-31	33-46	85-102	110-125	260-290	280-320
Bubble point (psi)	47-71	32-36	19-22	16-19	10-13	8-10

	Diameter (mm)	0.22	0.45	0.80		
	13	SF13CA22C	100	SF13CA45C	100	
		SF13CA22M	1000	SF13CA45M	1000	
	25	SF25CA22L	50	SF25CA45L	50	SF25CA80L 50
		SF25CA22C	100	SF25CA45C	100	SF25CA80C 100
		SF25CA22M	1000	SF25CA45M	1000	SF25CA80M 1000
	33	SF33CA22L	50	SF33CA45L	50	
		SF33CA22C	100	SF33CA45C	100	
		SF33CA22M	1000	SF33CA45M	1000	
	13	SF13CA22S	50	SF13CA45S	50	
	25	SF25CA22S	50	SF25CA45S	50	SF25CA80S 50
	33	SF33CA22S	50	SF33CA45S	50	
	25	SF25CAF22L	50	SF25CAF45L	50	
		SF25CAF22M	1000	SF25CAF45M	1000	
	33	SF33CAF22L	50	SF33CAF45L	50	
		SF33CAF22M	1000	SF33CAF45M	1000	
	Diameter (mm)	1.20	3.00	5.00		
	25	SF25CA120L	50	SF25CA300L	50	SF25CA500L 50
		SF25CA120C	100	SF25CA300C	100	SF25CA500C 100
		SF25CA120M	1000	SF25CA300M	1000	SF25CA500M 1000

Packing information:


All packs contain 50 - 100 - 1000 units
Other references upon request

FV - Glass microfiber

The FV syringe filters present an excellent chemical compatibility and resist to organic solvents and strong acids. They are used in prefiltration of viscous solutions or for filtration of separation of cells media before sterilization.

Chemical compatibility: pH 1-14



		Diameter (mm)	1.00
	13	SF13FV100C	100
		SF13FV100M	1000
	25	SF25FV100L	50
		SF25FV100C	100
		SF25FV100M	1000
	33	SF33FV100L	50
		SF33FV100M	1000

Packing information:
All packs contain 50 - 100 - 1000 units
Other references upon request

MCE - Mixed cellulose esters




Showing a good chemical resistance, MCE syringe filters are efficient in the filtration of proteins, enzymes and other aqueous solutions. The applications are various such as clarification, purification or sterilization of biological fluids.

Chemical compatibility: pH 4-8

Packing information:
All packs contain 50 - 100 - 1000 units
Other references upon request

Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm
Water flow (mL/min/cm²@10psi)	12-18	38-71
Bubble point (psi)	52-65	29-40



	Diameter (mm)	0.22		0.45	
	13	SF13ME22C	100	SF13ME45C	100
		SF13ME22M	1000	SF13ME45M	1000
	25	SF25ME22L	50	SF25ME45L	50
		SF25ME22C	100	SF25ME45C	100
		SF25ME22M	1000	SF25ME45M	1000
	33	SF33ME22L	50	SF33ME45L	50
		SF33ME22C	100	SF33ME45C	100
		SF33ME22M	1000	SF33ME45M	1000
		13	SF13ME22S	50	SF13ME45S
25		SF25ME22S	50	SF25ME45S	50
33		SF33ME22S	50	SF33ME45S	50
	25	SF25MEF22L	50	SF25MEF45L	50
		SF25MEF22M	1000	SF25MEF45M	1000
	33	SF33MEF22L	50	SF33MEF45L	50
		SF33MEF22M	1000	SF33MEF45M	1000







NYL - Polyamide

Naturally hydrophilic, with a good mechanical strength and strong absorption, the nylon syringe filters are suitable for the filtration of HPLC samples, filtration and clarification of solvents.

Chemical compatibility: pH 3-14



Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm	0.80 µm	1.20 µm	3.00 µm	5.00 µm
Water flow (mL/min/cm ² @10psi)	4-6	9-10	35-40	52-65	80-90	135-150
Bubble point (psi)	46-56	30-32	14-17	10-14	8-9	5-6

	Diameter (mm)	0.22		0.45		0.80	
	13	SF13NY22C	100	SF13NY45C	100		
		SF13NY22M	1000	SF13NY45M	1000		
	25	SF25NY22L	50	SF25NY45L	50	SF25NY80L	50
		SF25NY22C	100	SF25NY45C	100	SF25NY80C	100
		SF25NY22M	1000	SF25NY45M	1000	SF25NY80M	1000
	33	SF33NY22L	50	SF33NY45L	50		
		SF33NY22C	100	SF33NY45C	100		
		SF33NY22M	1000	SF33NY45M	1000		
		25	SF25NYF22L	50	SF25NYF45L	50	
SF25NYF22M			1000	SF25NYF45M	1000		
33		SF33NYF22L	50	SF33NYF45L	50		
		SF33NYF22M	1000	SF33NYF45M	1000		
	13	SF13NY22S	50	SF13NY45S	50		
	25	SF25NY22S	50	SF25NY45S	50		
	33	SF33NY22S	50	SF33NY45S	50		
	Diameter (mm)	1.20		3.00		5.00	
	25	SF25NY120L	50	SF25NY300L	50	SF25NY500L	50
		SF25NY120C	100	SF25NY300C	100	SF25NY500C	100
		SF25NY120M	1000				



Packing information:

All packs contain 50 - 100 - 1000 units
Other references upon request

PES - Polyethersulfone

Made with a hydrophilic membrane, polyethersulfone syringe filters show both a high thermic and a great chemical resistance. Their water flow rate is ideal for alkaline liquid or organic solvent filtration. They can be used for a very fast filtration of viscous solutions.

Chemical compatibility: pH 4-8

Packing information:

All packs contain 50 - 100 - 1000 units
Other references upon request

Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm
Water flow (mL/min/cm ² @10psi)	11-16	30-48
Bubble point (psi)	51-65	35-53



	Diameter (mm)		0.22		0.45
	13	SF13PE22C	100	SF13PE45C	100
		SF13PE22M	1000	SF13PE45M	1000
	25	SF25PE22L	50	SF25PE45L	50
		SF25PE22C	100	SF25PE45C	100
		SF25PE22M	1000	SF25PE45M	1000
	33	SF33PE22L	50	SF33PE45L	50
		SF33PE22C	100	SF33PE45C	100
		SF33PE22M	1000	SF33PE45M	1000
	13	SF13PE22S	50	SF13PE45S	50
	25	SF25PE22S	50	SF25PE45S	50
	33	SF33PE22S	50	SF33PE45S	50
	25	SF25PEF22L	50	SF25PEF45L	50
		SF25PEF22M	1000	SF25PEF45M	1000
	33	SF33PEF22L	50	SF33PEF45L	50
		SF33PEF22M	1000	SF33PEF45M	1000

PP - Polypropylene

Hydrophobic and with an excellent chemical stability, the PP syringe filters are suitable for HPLC samples containing weak solids or sterile filtration of samples of small volume.

Chemical compatibility: pH 1-14

Packing information:

All packs contain 50 - 100 - 1000 units
Other references upon request

Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm
Ethyl alcohol flow (mL/min/cm ² @10psi)	250-300	300-450



	Diameter (mm)		0.22		0.45
	13	SF13PP22C	100	SF13PP45C	100
		SF13PP22M	1000	SF13PP45M	1000
	25	SF25PP22L	50	SF25PP45L	50
		SF25PP22C	100	SF25PP45C	100
		SF25PP22M	1000	SF25PP45M	1000
	33	SF33PP22L	50	SF33PP45L	50
		SF33PP22C	100	SF33PP45C	100
		SF33PP22M	1000	SF33PP45M	1000
	13	SF13PP22S	50	SF13PP45S	50
	25	SF25PP22S	50	SF25PP45S	50
	33	SF33PP22S	50	SF33PP45S	50
	25	SF25PPF22L	50	SF25PPF45L	50
		SF25PPF22M	1000	SF25PPF45M	1000



PVDF - Polyvinylidene


PVDF syringe filters are hydrophobic and offer an excellent chemical resistance against most organic solvents and aggressive liquids. They are suitable for air and gas filtration.




Chemical compatibility: pH 1-14

Packing information:

All packs contain 50 - 100 - 1000 units
Other references upon request

Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm
Ethyl alcohol flow (mL/min/cm²@10psi)	30-40	70-105
Bubble point (psi)	21-23	11-23



	Diameter (mm)	0.22		0.45	
	13	SF13PV22C SF13PV22M	100 1000	SF13PV45C SF13PV45M	100 1000
	25	SF25PV22L SF25PV22C SF25PV22M	50 100 1000	SF25PV45L SF25PV45C SF25PV45M	50 100 1000
		33	SF33PV22L SF33PV22C SF33PV22M	50 100 1000	SF33PV45L SF33PV45C SF33PV45M
	13	SF13PV22S	50	SF13PV45S	50
	25	SF25PV22S	50	SF25PV45S	50
	33	SF33PV22S	50	SF33PV45S	50
	25	SF25PVF22L SF25PVF22M	50 1000	SF25PVF45L SF25PVF45M	50 1000
	33	SF33PVF22L SF33PVF22M	50 1000	SF33PVF45L SF33PVF45M	50 1000

RC - Regenerated cellulose


RC syringe filters are recommended for the direct filtration of aqueous solutions or of any type of organic solvent. Their benefit is to offer a great capacity of particles extraction.




Chemical compatibility: pH 3-12

Packing information:

All packs contain 50 - 100 - 1000 units
Other references upon request

Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm
Water flow (mL/min/cm²@10psi)	9-11	30-48
Bubble point (psi)	19-22	10-15



Diameter (mm)	0.22	0.45				
	13	SF13RC22C SF13RC22M	100 1000	SF13RC45C SF13RC45M	100 1000	
	25	SF25RC22L SF25RC22C SF25RC22M	50 100 1000	SF25RC45L SF25RC45C SF25RC45M	50 100 1000	
		33	SF33RC22L SF33RC22C SF33RC22M	50 100 1000	SF33RC45L SF33RC45C SF33RC45M	50 100 1000
				13	SF13RC22S	50
	25	SF25RC22S		50	SF25RC45S	50
	33	SF33RC22S		50	SF33RC45S	50
	25	SF25RCF22L SF25RCF22M	50 1000	SF25RCF45L SF25RCF45M	50 1000	
		33	SF33RCF22L SF33RCF22M	50 1000	SF33RCF45L SF33RCF45M	50 1000

PTFE - Polytetra-fluoroethylene



Naturally hydrophobic, the PTFE syringe filters are used for air sterilization or for the preparation of HPLC samples, for the filtration of solvents and corrosive solutions. For aqueous solution filtration, you need to wet the membrane with an adapted solvent such as ethanol or methanol.

Chemical compatibility: pH 1-14

Pore size (µm) [for ø 25 mm]	0.22 µm	0.45 µm	3.00 µm
Ethyl alcohol flow (mL/min/cm²@10psi)	8-14	15-29	400-460
Bubble point (psi)	16-25	14-19	-

	Diameter (mm)	0.22		0.45		3.00	
	13	SF13PT22C	100	SF13PT45C	100		
		SF13PT22M	1000	SF13PT45M	1000		
	25	SF25PT22L	50	SF25PT45L	50		
		SF25PT22C	100	SF25PT45C	100		
		SF25PT22M	1000	SF25PT45M	1000		
	33	SF33PT22L	50	SF33PT45L	50		
		SF33PT22C	100	SF33PT45C	100		
		SF33PT22M	1000	SF33PT45M	1000		
	13	SF13PT22S	50	SF13PT45S	50		
	25	SF25PT22S	50	SF25PT45S	50		
	33	SF33PT22S	50	SF33PT45S	50		
	25	SF25PTF22L	50	SF25PTF45L	50	SF25PT300X	10
		SF25PTF22M	1000	SF25PTF45M	1000		
	33	SF33PTF22L	50	SF33PTF45L	50		
		SF33PTF22M	1000	SF33PTF45M	1000		

Packing information:

All packs contain 50 - 100 - 1000 units
Other references upon request

Venting filters

For a greater filtration surface than syringe filters, the venting filters (PTFE membrane, ø 47 mm, sterile) bare hose barb connections that are adapted for the direct connection to flexibles. Thanks to its hydrophobic membrane, it prevents the return of liquids and thus protects the devices.




Pore size (µm) [for ø 25 mm]	0.22 µm		0.45 µm		
Bubble point (psi)	1.2		0.8		
	Diameter (mm)	0.22		0.45	
	47	FE47PT22S	25	FE47PT45S	25

TABLE OF CHEMICAL COMPATIBILITY



Recommended use



Limited resistance



Non recommended use



Use to be confirmed (to be tested before use)

Acids	CA	FV	MCE	NY	PES	PTFE	PVDF
Acetic, glacial	✗	✓	+/-	+/-	✓	✓	✓
Acetic 25%	+/-	✓	+/-	+/-	✓	✓	✓
Hydrochloric concentrated	✗	✓	✗	✗	✓	✗	✓
Hydrochloric 25%	✓	✓	✗	+/-	✓	✓	✓
Sulfuric 98%	✗	✓	✗	✗	✗	✓	+/-
Sulfuric 25%	✗	✓	+/-	✗	✓	✓	✓
Nitric 65%	✗	✓	✗	?	✓	✓	+/-
Nitric 25%	✗	?	+/-	✗	+/-	✓	✓
Phosphoric 25%	✓	✓	+/-	✗	?	✓	✓
Trichloroacetic 25%	✗	✓	+/-	✗	?	✓	✓

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

Ketones	CA	FV	MCE	NY	PES	PTFE	PVDF
Acetone	✗	✓	✗	✗	✗	✓	✗
Cyclohexanone	✗	✓	✗	+/-	✗	✓	✓
Methyl ethyl ketone	✗	✓	?	+/-	✗	✓	✗
Isopropylacetanone	+/-	✓	✗	✓	✗	✓	✗
Methyl isobutyl ketone	✓	✓	✗	✓	?	✓	?

Bases	CA	FV	MCE	NY	PES	PTFE	PVDF
Ammonium	+/-	✓	✓	✓	✗	✓	✓
Sodium hydroxide 25%	✗	✓	+/-	✗	✓	✓	✓

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

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

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

Solvents with Nitrogen	CA	FV	MCE	NY	PES	PTFE	PVDF
Dimethyl formamide	✗	✓	✗	✓	✗	✓	✗
Diethylacetamide	✗	✓	✗	✓	?	✓	✗
Pyridine	✗	✓	✗	✓	✗	✓	✓
Acetonitrile	✗	✓	✗	✓	✗	✓	✓

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

EXTRACTION THIMBLES



Cotton linter fibers ETC
// Whatman : 2800



Glass microfibers: ETG (<550°C)
// Whatman : 2814



Quartz microfibers: ETQ (≥550°C)
// Whatman :2812

With the appropriate solvents, the extraction thimbles enable to extract specific particles from a solid substance, allowing a more accurate and swifter analysis.

They are neutral and fat free and offer a high mechanical strength and an excellent retention capacity. The very high quality of the fibers used for the extraction thimbles allow a great capability of reproduction during the analysis.



Size (mm)	ETC	ETG	ETQ
19 x 90	ETC19/90	ETG19/90	
22 x 60	ETC22/60		ETQ22/65
22 x 80	ETC22/80	ETG22/80	
25 x 80	ETC25/80	ETG25/80	ETQ25/80
25 x 100	ETC25/100	ETG25/100	ETQ25/100
26 x 60	ETC26/60	ETG26/60	ETQ26/60
27 x 80	ETC27/80		
28 x 80	ETC28/80		
28 x 100	ETC28/100		
28 x 120	ETC28/120		
30 x 80	ETC30/80	ETG30/80	ETQ30/80
30 x 100	ETC30/100	ETG30/100	ETQ30/100
30 x 150	ETC30/150		
33 x 60	ETC33/60		
33 x 80	ETC33/80	ETG33/80	
33 x 94	ETC33/94	ETG33/94	
33 x 100	ETC33/100		
33 x 118	ETC33/118		
33 x 205	ETC33/205		
34 x 130	ETC34/130		
35 x 150	ETC35/150	ETG35/150	ETQ35/150
37 x 130	ETC37/130		
41 x 123	ETC41/123		
41 x 150	ETC41/150		
43 x 123	ETC43/123	ETG43/123	ETQ43/123
58 x 170	ETC58/170		
70 x 240	ETC70/240		
80 x 250	ETC80/250		

Packing information:
All packs contain 25 units
Other sizes upon request
All indicated dimensions are interior sizes

Applications



Conceived for industrial applications, technical filters can be used in various fields: pharmaceuticals, chemicals, cosmetics, food...

Made of 100% pure cellulose fibres, they are reinforced with a specific resin which gives them extra resistance. Therefore, they can either be part of the industrial manufacturing process or be employed for the filtration of liquid solutions to separate the materials (for example for the recovery of precious metals).



Because your tools and machines have been developed to meet your needs, filtraTECH can create cut-out discs.




Besides the standard sizes, we know how to work the filters to adapt them perfectly to your industrial tools, from samples or work plans.

Do not hesitate to contact us for a customized quotation (non-standardized size, specific requirements)

Smooth





	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kg/cm ²)
FT103 // Whatman: 3	<i>Thick paper, particularly adapted for small particle filtration (salted solutions, alcohols, ethers...)</i>				
	150	0.3	3-6	80	3.90
FT104 // Whatman: 287	<i>Smooth paper made of 70% cellulose and 30% shell powder (kieselghur) dedicated to the clarification of fragrances / oils, or the filtration of lactic acid serums, vaccines and other injectable solutions</i>				
	140	0.35	-	30	1.20
FT105	<i>Mostly recommended for filtration that require high mechanical and chemical resistance (alkaline products, oils, sugar)</i>				
	185	0.39	12-16	65	4.00
FT106	<i>Thick paper, particularly adapted for small particle filtration (salted solutions, alcohols, ethers...)</i>				
	160	0.47	50-80	12	1.5
FT107	<i>Smooth paper made of 70% cellulose and 30% shell powder (kieselghur) dedicated to the clarification of fragrances / oils, or the filtration of lactic acid serums, vaccines and other injectable solutions</i>				
	160	0.38	20-30	45	3.20
FT108	<i>Mostly recommended for filtration that require high mechanical and chemical resistance (alkaline products, oils, sugar)</i>				
	85	0.18	12-15	60	1.45

Item codes

	Size (mm)	FT103	FT104	FT105	FT106	FT107	FT108
	55	FT103A0055					
	70	FT103A0070					
	90	FT103A0090			FT106A0090		
	110	FT103A0110		FT105A0110	FT106A0110		
	125	FT103A0125		FT105A0125	FT106A0125		FT108A0125
	150	FT103A0150		FT105A0150	FT106A0150		FT108A0150
	190	FT103A0190	FT104A0190		FT106A0190		
	250	FT103A0250			FT106A0250		FT108A0250
	330	FT103A0330			FT106A0330		
	400						
	500	FT103A0500			FT106A0500	FT107A0500	
	600	FT103A0600			FT106A0600		FT108A0600
	650	FT103A0650			FT106A0650	FT107A0650	
	700						
	800	FT103A0800			FT106A0800		
	1000	FT103A1000			FT106A1000		
	150	FT103P0150		FT105P0150	FT106P0150	FT107P0150	
	190	FT103P0190		FT105P0190	FT106P0190	FT107P0190	
	250	FT103P0250			FT106P0250	FT107P0250	
	330	FT103P0330			FT106P0330	FT107P0330	
	400	FT103P0400			FT106P0400	FT107P0400	
	500	FT103P0500		FT105P0500	FT106P0500	FT107P0500	
	600	FT103P0600			FT106P0600		FT108P0600
	650	FT103P0650		FT105P0650	FT106P0650	FT107P0650	
	700	FT103P0700			FT106P0700	FT107P0700	
	800	FT103P0800		FT105P0800	FT106P0800	FT107P0800	
	1000	FT103P1000			FT106P1000		
	460 x 570	FT103F4657C					
	500 x 580						
	580 x 580	FT103F5858C					FT108F5858C



Packing information:
All packs contain 100 units

-  Disc + 2 holes + 2 lugs (capillary)
 -  Plain disc + 2 holes
 -  Sheet + 2 holes
 -  Sheet + 4 holes
- Specifications upon request*






Creped

	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kg/cm ²)
FT100	<i>Thin and creped paper, for the filtration of precipitated coarse particles (viscous products such as oils), good water resistance</i>				
	60	0.25	50-65	4	1.55
FT101 // Whatman: 520b	<i>Thick creped filter paper, often used for the filtration of fats in food (syrops, oils...) or for heated filtration</i>				
	160	0.55	38-75	26	1.55
FT102	<i>Very thick, creped paper, fast filtration speed, good burst resistance</i>				
	190	0.65	25-35	27	1.90
FT109	<i>Solutions a little bit acid or alkaline for the filtration of industrial colored, galvanic industry</i>				
	73	0.28	16-25		
FT110 // Whatman: 520a	<i>Thin and creped paper, for the filtration of precipitated coarse particles (viscous products such as oils), good water resistance</i>				
	90	0.33	25-35	25	1.65
FT111	<i>Thick creped filter paper, often used for the filtration of fats in food (syrops, oils...) or for heated filtration</i>				
	140	0.45	10-20	50	1.45
FT113	<i>Very thick, creped paper, fast filtration speed, good burst resistance</i>				
	240	0.78	55-65	28	3.00







Item codes

	Size (mm)	FT100	FT101	FT102	FT110	FT111	FT109
	55						
	70	FT100A0070					
	90	FT100A0090					
	110	FT100A0110	FT101A0110				
	125	FT100A0125					FT109A0125
	150		FT101A0150		FT110A0150		
	190		FT101A0190				
	250		FT101A0250				
	330		FT101A0330		FT101A0330		
	400		FT101A0400			FT111A0400L	*
	500		FT101A0500	FT102A0500	FT110A0500		
	600	FT100A0600	FT101A0600		FT110A0600		
	650	FT100A0650	FT101A0650				
	700						
	800		FT101A0800	FT102A0800			
	1000		FT101A1000				
	150	FT100P0150	FT101P0150				
	190	FT100P0190	FT101P0190				
	250		FT101P0250				
	330	FT100P0330	FT101P0330				
	400	FT100P0400	FT101P0400				
	500	FT100P0500	FT101P0500				
	600		FT101P0600		FT110P0600		
	650		FT101P0650				
	700		FT101P0700				
	800		FT101P0800	FT102P0800			
	1000		FT101P1000				
	420 x 520	FT100F4252D	**				
	580 x 580	FT100F5858D	**		FT110F5858C		



Packing information:

All packs contain 100 units
* Pack of 50 units
** Pack of 500 units
Other sizes upon request

-  Disc + 2 holes + 2 lugs (capillary)
-  Plain disc + 2 holes
-  Sheet + 2 holes
-  Sheet + 4 holes





Specifications upon request

FILTER BOARDS



Designed for industrial filtration, filtraTECH's series of board filters has been shaped to answer most encountered applications and can be used in a filter press system.



-  Disc + 2 holes + 2 lugs (capillary)
-  Plain disc + 2 holes
-  Sheet + 2 holes
-  Sheet + 4 holes

Specifications, shapes and references upon request



	Weight (g/m ²)	Thickness (mm)	Pressure (lg/cm ²)
FT200 // Whatman: 2589a	<i>Chemical products, edible oils</i>		
	190	0.41	1.6
FT201	<i>Galvanic baths, lacquers, hydrocarbons</i>		
	280	0.65	2.6
FT202 // Whatman: 2589b	<i>Non-edible mineral oils</i>		
	300	0.70	2.8
FT203 // Whatman: 2589c	<i>Galvanic baths, non-edible oils, resins</i>		
	390	0.93	3.2

	Weight (g/m ²)	Thickness (mm)	Pressure (lg/cm ²)
FT204 // Whatman: 2589d	<i>Essential oils, edible oil brilliant filtration</i>		
	500	1.13	7.0
FT205 // Whatman: 2208	<i>Non-edible oils, chemical products, hydrocarbons</i>		
	350	0.78	5.0
FT207 // Whatman: 5703	<i>Technical oils, paraffin, cosmetics clarification</i>		
	250	0.58	3.5
FT208 // Whatman: 2282	<i>Water process, pharmaceuticals, active carbon retention</i>		
	450	1.03	4

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.

Size (cm)	Max pressure (bar)	18 PP boards
20 x 20	2	FP18SS2020






FILTER SHEETS



The range of filter sheets conceived by filtraTECH can be used in many industrial applications and enable to obtain all types of filtration (prefiltration, clarification, sterilization). All conform to food usage, they show a great chemical resistance and are all traceable. The filter sheets can be used in all sorts of industries: cosmetics, pharmaceuticals, food, chemicals...

4 different compositions available:
C = 100% cellulose
C + K = cellulose + kieselghur
C + PE = cellulose + polyethylen fibres
C + K + PE = cellulose + kieselghur + polyethylene fibres

 Disc + 2 holes + 2 lugs (capillary)
 Plain disc + 2 holes
 Sheet + 2 holes
Specifications, shapes and references upon request

Packing information
 Also sold in lenticular modules (diameter 12" or 16")

Prefiltration

	Weight (g/m ²)	Thickness (mm)	Pore size (µm)	Pore max (µm)	Permeability (L/m ² /min)	Composition
FT300	675-825	3.8-4.3	40.0 / 50.0	65	8200-14600	C
FT301	700-855	3.5-3.8	25.0 / 35.0	50	5700-10200	C
FT302	1080-1320	3.9-4.4	20.0 / 25.0	34.5	760-1350	C
FT303	720-880	3.1-3.5	14.0 / 20.0	45	5250-9300	C
FT304	945-1155	3.5-4.0	12.0 / 15.0	30	1100-2000	C + K
FT305	800-900	2.1-2.3	10.0 / 15.0	24.5	320-490	C + K



Clarification

	Weight (g/m ²)	Thickness (mm)	Pore size (μm)	Pore max (μm)	Permeability (L/m ² /min)	Composition
FT306	1000-1200	3.2-3.6	3.0 / 8.0	19	420-750	C + K + PE
FT307	1000-1250	3.5-4.0	2.0 / 7.0	24.5	480-890	C + K
FT308	1100-1200	3.2-3.6	1.0 / 5.0	16	225-400	C + K + PE
FT309	1100-1350	3.5-4.0	0.9 / 2.0	21.5	240-500	C + K
FT310	1100-1300	3.2-3.6	0.6 / 1.0	14	140-250	C + K + PE
FT313	1200-1450	3.3-3.7	0.4 / 0.6	14.5	80-140	C + K
FT314	1350-1550	3.6-3.9	0.3 / 0.5	11	70-120	C + K + PE

Sterilization

	Weight (g/m ²)	Thickness (mm)	Pore size (μm)	Pore max (μm)	Permeability (L/m ² /min)	Composition
FT315	1300-1500	3.7-3.9	0.3 / 0.5	13.5	70-80	C + K
FT320	1350-1550	3.6-3.9	0.2 / 0.3	9	70-120	C + K + PE
FT325	1400-1600	3.5-4.0	0.2 / 0.3	13.5	50-65	C + K
FT326	1350-1550	3.7-3.9	0.15 / 0.25	8.85	40-50	C + K
FT330	1500-1700	3.9-4.1	0.04 / 0.2	8	10-15	C + K

Non WOVEN FILTERS



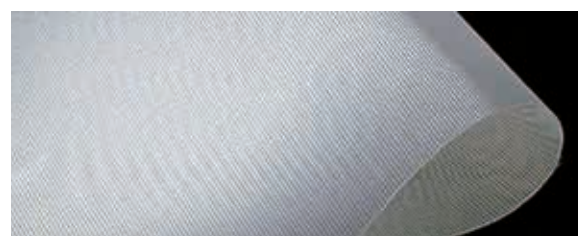
Non woven filters are made of long synthetic fibres combined with synthetic resins which offer a stronger resistance to humidity compared to cellulose. They show both a good absorption capacity and a high level of filtration speed and are ideal for the filtration of visible particles, the recovery of largest particles of precious metals, milk, water process...

	Weight (g/m ²)	Thickness (mm)	Pore size (µm)	Water permeability (m ³ /m ² /h)	Air permeability (L/m ² /min)
NT20	20	0.18	-	-	5600
NT25	25	0.20	193	369	5399
NT35	35	0.26	181	323	4633
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



Depending on the acid resistance or the abrasion you are looking for, 2 fabrics of mesh filters (TF) are available for air or gas filtration, for water process: nylon (NY) or polypropylene (PP).



	Composition	Thickness (mm)	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

Packing information

Rolls: 1020 mm large
All length, size and references
upon request

Grade	Section	Page
AP	Device	44
BOC	Stopper	34
BSC	Medical	30
CF110	Filter card	29
CH51	Chromatography	32
CH53	Chromatography	32
CH54	Chromatography	32
CH58	Chromatography	32
CH59	Chromatography	32
CY430	Medical	30
ES	Hygiene	21
ETC	Thimbles	53
ETG	Thimbles	53
ETQ	Thimbles	53
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FP	Device	58
FQ30	Quartz microfiber	18-19
FS90	Sugar industry	28
FS91	Sugar industry	28
FS92	Phase separation	24
FS93	Phosphate free	24
FS94	Phosphate free	24
FS96	Low nitrogen	25
FS97	Brewery	26
FS98	Black	25
FS99	Activated carbon	26
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FT101	Technical	56-57
FT102	Technical	56-57
FT103	Technical	54-55
FT104	Technical	54-55
FT105	Technical	54-55
FT106	Technical	54-55
FT107	Technical	54-55
FT108	Technical	54-55
FT109	Technical	56-57
FT110	Technical	56-57
FT111	Technical	56-57
FT113	Technical	56-57
FT200	Board	58
FT201	Board	58
FT202	Board	58
FT203	Board	58
FT204	Board	58
FT205	Board	58
FT207	Board	58
FT208	Board	58
FT300	Sheet	59
FT301	Sheet	59
FT302	Sheet	59
FT303	Sheet	59
FT304	Sheet	59
FT305	Sheet	59
FT306	Sheet	60
FT307	Sheet	60
FT308	Sheet	60
FT309	Sheet	60

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FT311	Sheet	60
FT313	Sheet	60
FT314	Sheet	60
FT315	Sheet	60
FT320	Sheet	60
FT325	Sheet	60
FT326	Sheet	60
FT330	Sheet	60
FV21	Glass microfiber	16-17
FV22	Glass microfiber	16-17
FV23	Glass microfiber	16-17
FV24	Glass microfiber	16-17
FV25	Glass microfiber	16-17
FV26	Glass microfiber	16-17
FV27	Glass microfiber	18-19
FV28	Glass microfiber	16-17
FV29	Glass microfiber	18-19
FV31	Glass microfiber	16-17
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MF-PC	Membrane	42
MF-PES	Membrane	42
MF-PP	Membrane	42
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MF-RC	Membrane	43
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NP581010	Weighing	23
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NT25	Non woven	61
NT35	Non woven	61
NT50	Non woven	61
NT65	Non woven	61
NT80	Non woven	61
NT110	Dairy, non woven	29-61
NT130	Dairy, non woven	29-61
OP12	Optical	22
OP13	Optical	22
PA320	Medical	30
PB190	Blotting	33
PB255	Blotting	33
PE25	Weighing	23
PE45	Weighing	23
PG110	Test seed	27
PG120	Test seed	27
PG155	Test seed	27
PG160	Test seed	27
PG300	Test seed	27
PH010	Indicator	36
PH055	Indicator	33-36-38
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PH111	Indicator	36
PH114	Indicator	36-38
PH354	Indicator	36
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PH610	Indicator	36
PH680	Indicator	36
PH714	Indicator	38
PH913	Indicator	36-38
PHACEPLOM	Indicator	37
PHCONGO	Indicator	37
PHDIAG	Indicator	38
PHIOPOTA	Indicator	37
PHPHENOL	Indicator	37
PHTRSOLB	Indicator	37
PHTRSOLN	Indicator	37
PHTRSOLR	Indicator	37
PJ	Cleaning	21
POMPE	Device	44
PP125	Hygiene	20
PP210	Hygiene	20
PP400	Hygiene	20
PS60	Medical	31
QL01	Qualitative	10-11
QL02	Qualitative	10-11
QL03	Qualitative	10-11
QL04	Qualitative	10-11
QL05	Qualitative	10-11
QL08	Qualitative	10-11
QT41	Quantitative	12-13
QT42	Quantitative	12-13
QT43	Quantitative	12-13
QT44	Quantitative	12-13
QT45	Quantitative	12-13
QT46	Quantitative	12-13
QT48	Quantitative	14-15
QT49	Quantitative	14-15
QT51	Quantitative	14-15
QT53	Quantitative	14-15
QT55	Quantitative	14-15
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SF-CA	Syringe	46
SF-FV	Syringe	47
SF-MCE	Syringe	47
SF-NYL	Syringe	48
SF-PES	Syringe	49
SF-PP	Syringe	49
SF-PTFE	Syringe	51
SF-PVDF	Syringe	50
SF-RC	Syringe	50
SIT	Medical	31
SL	Blotting, optical	22
ST60	Standard	8-9
ST61	Standard	8-9
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ST63	Standard	8-9
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TF-NY	Mesh	61
TF-PP	Mesh	61

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	Macherey Nagel	Hahnemühle	Advantec	Sartorius	Munktell
Quantitative filters (ashless)						
QT41	41 589/1	640w	FP589/1	5A	388	OOR 388
QT42	43 589/2	640m	FP589/2	3	389	OOK 389
QT43	40 589/5	64md	FP589/5	5B	392	OOA 392
QT44	44 589/6	64dd	FP589/6	6	390	OO6 390
QT45	42 589/3	640d	FP589/3	5C	391	OOH 391
QT46	-	640de	-	4A	393	393
QT48	-	-	-	-	-	3/M
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 1288
QL02	597	616	FP597	2	1289	1F 1289
QL03	2	616md	FP593	232	292a 1292	n°2
QL04	6	619	FP594	-	1290	106 1290
QL05	5 602h	619eh	FP602h	235	1291	120H 1291
QL08	602eh	619de	FP602eh	-	293	293
Standard filters						
ST60	93	-	250	-	3hw	3hw
ST61	1	615	FP595	231	292 4b	n°1
ST62	114	713	235	101	6	6
ST64	113	651	FP520b II	-	37/N	37/N
Glass microfibre 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	FN30v



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