

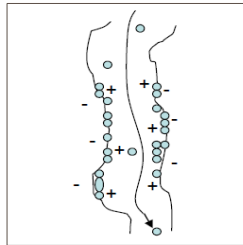
TECHNICAL FILTER PAPERS FOR INDUSTRY

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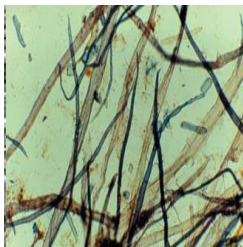
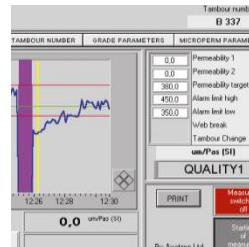
Filtration



Separation



Technology



Technical filter paper for industrial processes





Industrial Plant of Filtró Anoa, S.A., Sant Pere Riudebitlles (Barcelona)

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FILTER LAB

Quality, reliability and reply capability

In 1897, the paper engineer Mr. José Albet Quintana decided to start an industrial project, which 116 years after has improved and has been converted in a consistent reality.

Nowadays, FILTROS ANOIA, S.A has get a highlighted space inside the most renamed companies of the laboratory and industrial filtration sector.

All over other the world, day by day, thousand of engineers, analysts, scientific, teachers, students, operators, researchers and collaborators who recognized and trust in the quality of our products, homologated all of them based on the best quality standards.

But, it is not just the quality our products the reason why we are illusioned for. The response capacity and the technical focused attention in our customers and collaborators is one of the most important reasons of dedication.

Our repertories , one of the largest in the laboratory and industrial filtration sectors, takes the biggest part of our actual necessities: filtration, microfiltration, ultra filtration, equipment and accessories.

Finally, this new catalogue reaffirms our commitment with the quality, the attention to our customers and our own illusion.





FILTROS ANOIA and the quality

Anoia Filters, S.A. is a company certified according to ISO 9001 and ISO 14001 since 1997. Our quality control for the manufactures of filter papers include 8 parameters in real time and up to 20 additional parameters in our own laboratory. Being the first company to incorporate quality control system Finnish Microperm®

Furthermore, our filter papers for industrial use are approved for food use by health authorities.

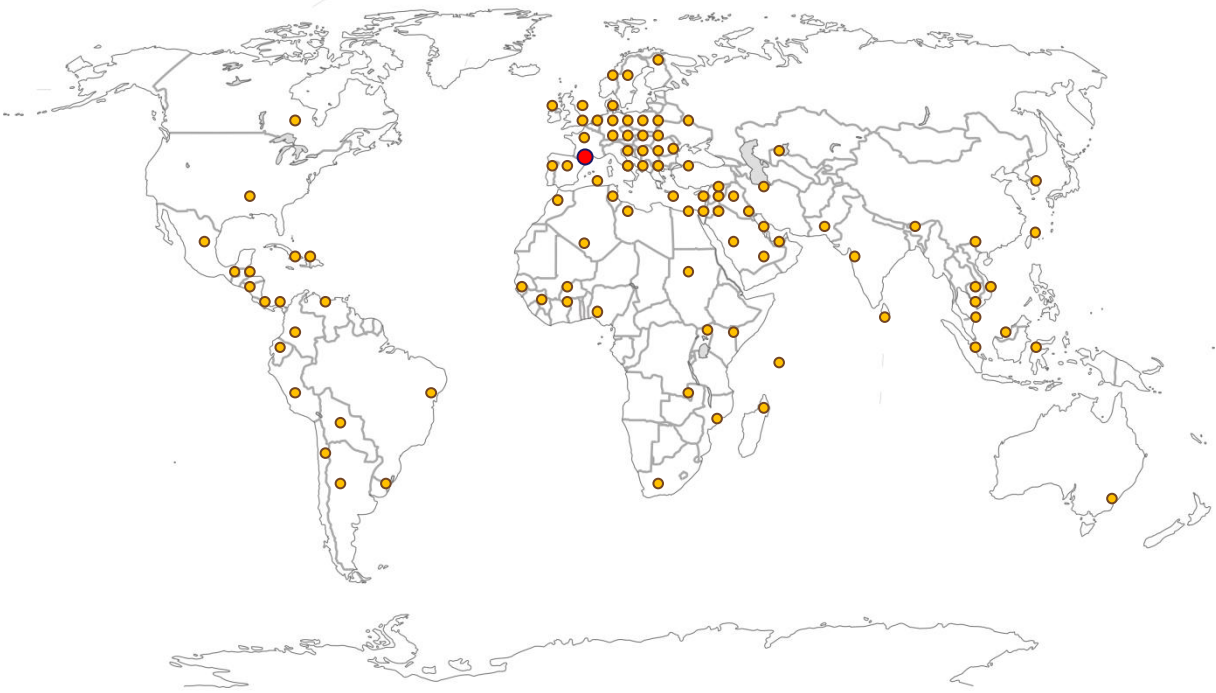
Some laboratories approved external audits, studies and specific controls to ensure, even more, the quality of our products and procedures that are manufactured.



FILTROS ANOIA in the world

Nowadays, Filtros Anioia, S.A. exports its products to more than 100 countries around the world, one of them are USA, Germany, Canada, UK, Finland, Switzerland, France, South Korea, Chile or Italy, for example.

Our filters are used in every single sector: pharmaceutical, cosmetically, drinks, foods, chemical, construction, metallurgical, environmental, university, stockbreeding, agriculture, mining, investigation, wine, textile, etc.



- Fabrication, manipulation and headquarter.
- Distributors

Quality control and technical definitions for filter paper

Weight in grams (grammage)

Unit of measurement: gr/m²

Expresses the weight in grams of a square meter of manufactured paper.

Standard applied: UNE-EN-ISO 536:1995.

According to which a sample of paper between 500 and 1000cm² is weighed on precision scales with a margin of error of 0.5%. Later, the area is calculated and the weight in grams is determined.

$$g = (m/A) \times 10.000$$

where: **m** is the mass of the sample in g
A is the area of the sample in cm²

Thickness

Unit of measurement: mm

Is the distance between both faces of the paper.

Standard applied: UNE-EN 20534 ISO 534:1988

To determine this parameter it used a micrometer that tests static load.

Apparent density

Unit of measurement: g/cm³

Expresses the apparent density according to the following calculation:

Standard applied: UNE-EN 20534 ISO 534:1988

$$\text{Apparent density (g/cm}^3\text{)} = \frac{\text{Weight in grams (g/m}^2\text{)} \times 1000}{\text{Thickness (mm)}}$$

Filtration

Is a denomination used as internal way according to the filtration speed of each quality. There are 7 different kind of filtration:

- Extra-fast
- Very fast
- Fast
- Medium
- Slow
- Very slow

Klemm method (capillary rise of the water)

Unit of measurement: mm/10 min.

Measures the height reached by distilled water at 20°C through a strip of paper 200mm long and 15mm wide, immersed 10mm, for a period of 10 minutes.

Standard applied: UNE 57044

Resistance to traction in wet state

Measuring unit: kN/m

Standard applied: UNE 57030-94, ISO 3781

Determines the resistance to the moist state in the filter paper measuring the resistance that a 180 mm length and 10mm width strip can support in a period of time of 10 minutes.

Tensile strength

Measuring unit: kN/m

Standard applied: UNE 57028

Is a paper strip of 15 mm width and 180mm length that is applied with strength that increases in an uniform and progressive way. The measure is taken at the same moment that the break. This parameter is measured in a longitudinal sense (SL) and also in a transversal sense (ST).

Quality control and technical definitions for filter paper

Permeability to the air

Measuring unit: l/min

Standard applied: Intern

It measures the airflow constant in l / min passing through an area of 100 cm² of filter paper at a pressure of 100 mm column of air (cda).

Resistance to the air

Measuring unit: Pa

Standard applied: BS-6410.84

The resistance to the air measured in Pa when passing through an area of 100 cm² of filter paper to a pressure of 10 m / min

Introduction to filtration

Efficiency of retention and speed filtration of FILTER-LAB® industrial filter papers.

The most important goal of the filtration is to adequately select the type of filter according to its purpose. To do this, we will try, by way of standard, to reach the quickest possible velocity of filtration for the level of retention that we need.

The filter papers are depth filters, that is, the retention of the particles take place not only on the surface of the filter but also in the interior by means of mechanisms that are, in some cases, rather complex. In the filtration process there are various factors that play a role and determine the retention, those factors are the following:



Retention on the surface

The particles whose size is more than the holes formed by the network of cellulose fibers will remain on the surface of the filter. Likewise, as the surface becomes saturated the ability of retention increases due to the formation of a layer of particles until the fill-up level is reached. It is here when the process of filtration stops.

Retention on the depth:

Refers to the mechanisms of retention produced inside the filter. Some of the most important processes are:

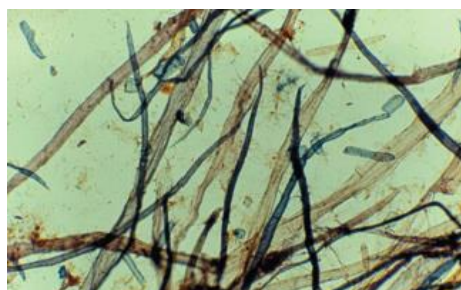
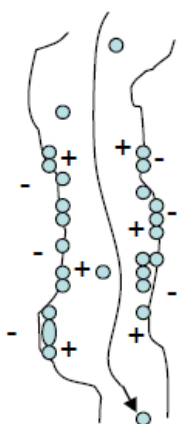
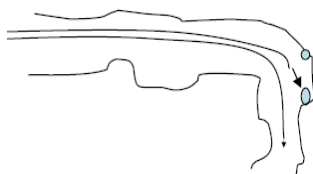
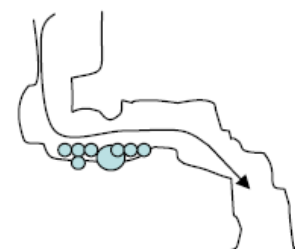
- **Electrostatic adsorption:** according to the polarity of the filter fibres and of the particles that must go through it, in some cases, attraction occurs which makes these particles adhere to the fibre walls and particles smaller than the size indicated in the specifications of the filter are retained.
- **Effects of inertia:** some particles will literally remain stuck inside the network of fibres due to the high kinetic energy with which they penetrate the pores of the frame.
- **Sedimentation:** the particles can be captured by the filter network and deposited by gravity in somewhere of the interior space formed by the fibres.

In any case, the efficiency of retention of a filter paper is also determined by the other factors related to the liquid, which can be: the pH value, the viscosity and concentrations of the liquid to be filtered as well as the form and composition of the particles in suspension in it.

Other causes or properties of the filter also affect the efficiency of retention: level of refinement of the cellulose fibres, resistance to the moist state of the filter, thickness, nature of the surface, etc.

So due to the extremely complex mechanisms on which filtration depends, it is sometimes impossible to theoretically determine the most adequate filter for filtration. It is at this moment when, in the case of difficult filtrations, it is essential to do some comparative testing of filtration between various samples of filter paper according to the parameters of retentions that we need.

In Filtros Anioia, S.A. are aware of the difficult of some operations of filtration and because of this we are willing to help you resolve your problems of filtration for which we have our own laboratory for quality control and development of new products.



Technical filtering papers and cardboards

Filtration of chemical products, pharmaceutical, cosmetics, coloring, fatties, emulsions, juices, liquors, etc.



Description

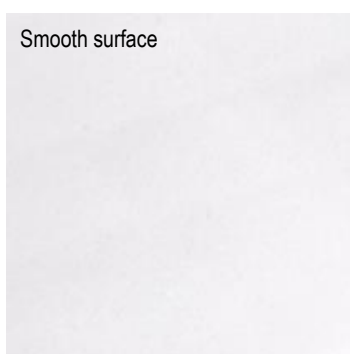
Furthermore to the range of FILTER-LAB® laboratory filters, Filtros Anoa, S.A. manufactures and markets a wide range of filter papers for industrial use that are used in various sectors for the filtration of all types of liquids: chemical products, mineral and vegetable oils, coloring agents, fats, emulsions, juices wines, galvanic baths, essences, etc.

We make smooth and creased filtering papers and cardboards with quick, medium or slow velocities of filtration for specific applications or according to standard methods, starting from weights in grams from 44 to 600 gr./m² and all of these handled and die-cut at the dimensions requested by customers in customary or special formats.



Properties

- Excellent charge capacity.
- A 15-20% more filtrating surface than a smooth paper.
- Higher resistance to the moist state.
- Avoid the premature silting.
- Limited grammage: from 45 to 240gr./m².



Properties

- Good filter paper formation.
- More regular pores.
- Very homogeneous formation.
- Good charge capacity.
- Very wide range: from 45 to 600 gr./m².

Crepe technical filter papers

Ref.	Weight in grams gr/m ²	Thickness mm	Applications
1535 CT	50	0.185	Dye for textile fibers.
1591	64	0.165	Solutions with sugar with low concentration
F60	60	0.250	Filtration of infusions, emulsions and food
FA 70	70	0.270	Chemical products, essential oils
1525 CR	73	0.285	Filtration of industrial colored, galvanic industry . Solutions a little bit acid or alkaline
1526M	87	0.370	Galvanic industry
1526	90	0.330	Galvanic industries, seed oils Solutions a little bit acid or alkaline
1526P	90	0.390	Filtration quicker than the earlier. Galvanic industry Recovery of precious metals, filtration of seed oils.
1518/110	110	0.320	Filtration of technical fats, moods, and sunflower oils.
1518/120	120	0.340	Industrial chemical products and fine chemistry .
1518/140W	132	0.550	Very dense edible oils, animal fats, concentrated essences.
1615	140	0.550	Technical greases, animal fats, juices and mosts
1518/140	140	0.450	Filtration of juices, grape-juices, wines, galvanic industry , etc.
1518/156	156	0.550	Syrups, essential oils, butters...
1518/160	160	0.450	Distiled and liquors.
1518/190	185	0.650	Polishment on virgin olive oils, glicerines and galvanic industry .
1518/190W	185	0.650	Chemical products
1518/240	240	0.780	Polishment on virgin olive oils, glicerines and galvanic industry . Absorpiont strips for capilation in parfums.

Technical filter paper ref. 1535



Surface: crepe
Grammage: 50 gr/m²
Thickness: 0.185 mm

Speed filtration: Fast



<p>Applications</p> <ul style="list-style-type: none"> ▪ Filtration of colorants in textile cones ▪ Low concentration syrups 	<p>Properties</p> <ul style="list-style-type: none"> ▪ Crepe filter paper. ▪ Thin thickness. ▪ Biodegradable 	<p>Formats</p>
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Technical filter paper ref. F 60



Surface: crepe
Grammage: 60 gr/m²
Thickness: 0.250 mm

Speed filtration: Very fast



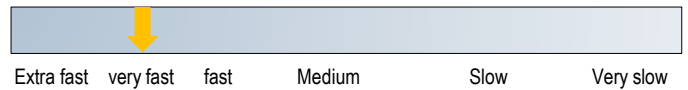
<p>Applications</p> <ul style="list-style-type: none"> ▪ Emulsions ▪ Filtration of infusions ▪ Filtration of different industrial ingredients ▪ Musts ▪ In galvanic industry filtration of lead, ferrum, gold, iridium, cooper, nickel and silver baths 	<p>Properties</p> <ul style="list-style-type: none"> ▪ Crepe filter paper. ▪ Thin thickness. ▪ Biodegradable 	<p>Formats</p>
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Technical filter paper ref. 1591



Surface: crepe
Grammage: 64 gr/m²
Thickness: 0.165 mm

Speed filtration: Very fast



<p>Applications</p> <ul style="list-style-type: none"> ▪ Solutions with sugar of low concentration ▪ Filtration of juices 	<p>Properties</p> <ul style="list-style-type: none"> ▪ Crepe filter paper. ▪ Thin thickness. ▪ Biodegradable 	<p>Formats</p>
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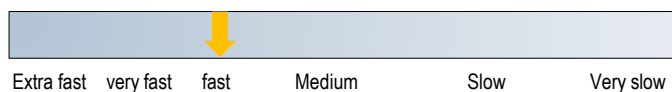
Technical filter paper ref. FA 70



Surface: crepe

Grammage: 70 gr/m²
Thickness: 0.270 mm

Speed filtration: Fast



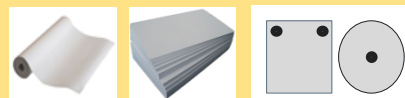
Applications

- Filtration of chemical products
- Essential oils
- Simple clarification of liquids

Properties

- Crepe filter paper.
- Thin thickness
- Biodegradable

Formats



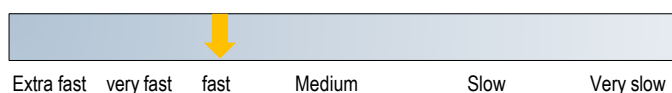
Technical filter paper ref. 1525



Surface: crepe

Grammage: 73 gr/m²
Thickness: 0.285 mm

Speed filtration: Fast



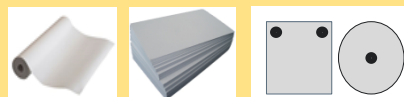
Applications

- Filtration of ceramic colorants
- Filtration of gold baths in galvanic industry.
- Soft acid and basic solutions
- Cooper baths in galvanic industry
- Filtration of edible oils

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1526M



Surface: crepe

Grammage: 85 gr/m²
Thickness: 0.370 mm

Speed filtration: Fast



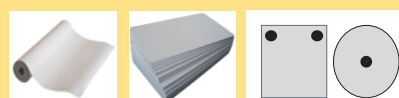
Applications

- Gold and cooper baths in galvanic industry

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



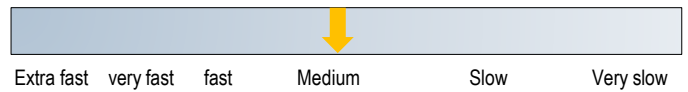
Technical filter paper ref. 1526



Surface: crepe

Grammage: 90 gr/m²
Thickness: 0.330 mm

Speed filtration: Medium



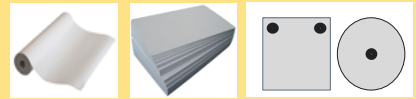
Applications

- Gold and cooper baths in galvanic industry
- Filtration of sunflower oil
- Filtration of edible oils
- Musts
- In filtration of wines as protector of filter sheets
- Fruit juices

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1526P



Surface: crepe

Grammage: 90 gr/m²
Thickness: 0.390 mm

Speed filtration: Very fast



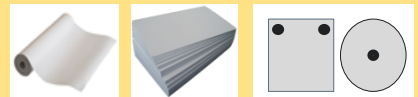
Applications

- Filtration of dense edible oils
- In galvanic industry for filtration of cadmium, bright nickel, silver, zinc and nickel alloys.
- Filtration of dense fruit juices
- Sludge drying in filter press

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



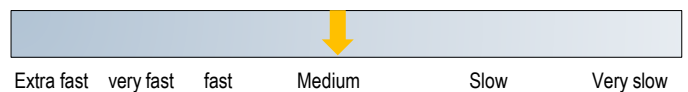
Technical filter paper ref. 1518/110



Surface: crepe

Grammage: 110 gr/m²
Thickness: 0.320 mm

Speed filtration: Medium



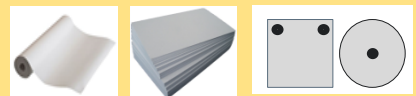
Applications

- Filtration of sunflower oils
- Technical fats
- Sludge drying in filter press

Properties

- Crepe filter paper.
- Thin thickness
- Biodegradable

Formats



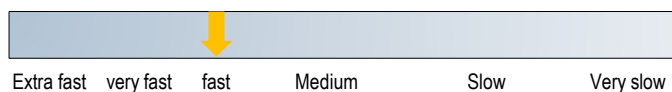
Technical filter paper ref. 1518/120



Surface: crepe

Grammage: 120 gr/m²
Thickness: 0.340 mm

Speed filtration: Fast



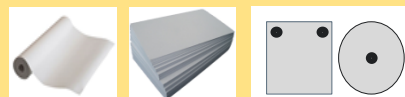
Applications

- Fine chemical products

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



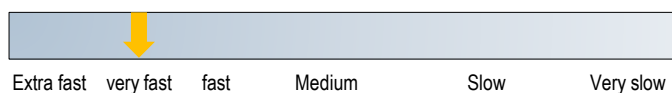
Technical filter paper ref. 1518/140W



Surface: crepe

Grammage: 132 gr/m²
Thickness: 0.550 mm

Speed filtration: Very fast



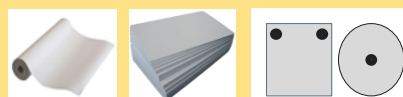
Applications

- Filtration of lacquers
- Dye emulsions
- Animal fats
- Filtration of gelatines

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1615



Surface: crepe

Grammage: 140 gr/m²
Thickness: 0.550 mm

Speed filtration: Very fast



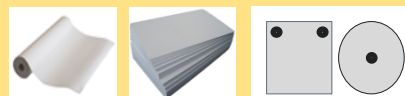
Applications

- Filtration of juices and grape juices.
- Filtration of wines
- Animal fats
- Technical greases

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1518/140



Surface: crepe
Grammage: 140 gr/m²
Thickness: 0.450 mm

Speed filtration: Fast



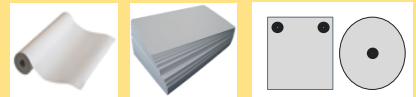
Applications

- Filtration of juices and grape juices.
- Pre-filtration of wines
- In galvanic industry for cooper, nickel and zinc baths
- Technical greases

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1518/156



Surface: crepe
Grammage: 156 gr/m²
Thickness: 0.550 mm

Speed filtration: Extra fast



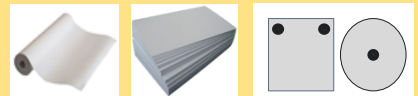
Applications

- Filtration of syrups
- Essential oils
- Butters and margarines

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats

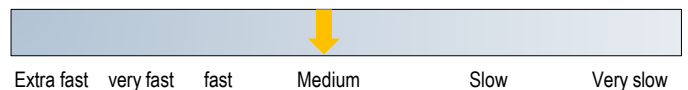


Technical filter paper ref. 1518/160



Surface: crepe
Grammage: 160 gr/m²
Thickness: 0.450 mm

Speed filtration: Medium



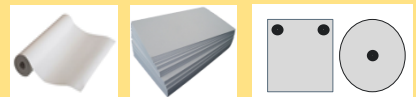
Applications

- Filtration of hair lotions
- Distilled and liquors
- Filtration of musts and red wines
- Fruit juices

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



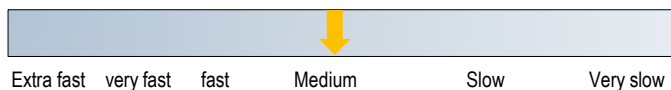
Technical filter paper ref. 1518/190



Surface: crepe

Grammage: 185 gr/m²
Thickness: 0.650 mm

Speed filtration: Medium



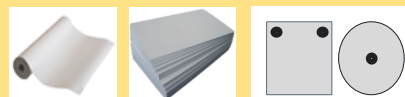
Applications

- Polishment of olive oil before bottled in glass
- Filtration of glycerines in high temperature
- In galvanic industry for cooper, nickel and zinc baths.
- Contaminated industrial liquids
- Filtration of dye stuff
- Chip pan filters

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1518/190WS



Surface: crepe

Grammage: 185 gr/m²
Thickness: 0.650 mm

Speed filtration: Very fast



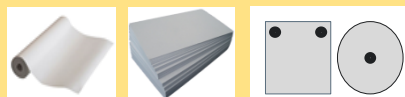
Applications

- Filtration of chemical products in high pressure by filter press

Properties

- Crepe filter paper.
- Extra high wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1518/240



Surface: crepe

Grammage: 240 gr/m²
Thickness: 0.780 mm

Speed filtration: Fast



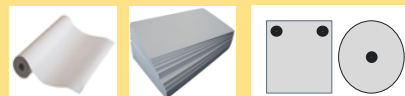
Applications

- Polishment of olive oil before bottled in glass
- Absorbent strips for capillarization in parfums
- Filtration of lacquers

Properties

- Crepe filter paper.
- Biodegradable
- Excellent load capacity
- High wet resistance

Formats



Smooth technical papers

Ref.	Weight in grams gr/m ²	Thickness mm	Applications
1300G	85	0.180	Prefiltration before filter disks
SM90	90	0.190	Retention of carbon active particles, mineral waters and very fine particles.
1055	100	0.240	Essences filtration, galvanizing industry. Protection of disks in filter presses for wines, liquors, vinegars, etc.
1300/110	110	0.250	Quick filtration of large volumes for the retention of thick particles. Filtration of emulsions and ink.
1301/125	125	0.250	Chemical products
1301/140	140	0.290	Resines, lacquers and additives
F150	150	0.300	water from boilers and clear liquids
1301/160	160	0.380	Filtration of turbid liquids, extracts and juices.
1320	160	0.470	Filtration of very dense liquids, essential oils, animal fats, syrups.
1301/190	185	0.410	Filtration of chemical products and edible oils. Absorbents in the graphic industry.
1301/190S	185	0.400	High resistance to moist state. Filtration in press filters with high pressure
1301/250	250	0.580	Clarification of liquids, oils and cosmetics.
1301/280	280	0.444	Filtration of mineral oils, hydrocarbons, lacquers...
1301/300	300	0.650	Mineral oils (big motors, machines, electrical transformers)
1301/320	320	0.880	Turbines oils, transformers, hydraulics, motor lubricants
1301/350	350	0.780	Medium filtration. Resistant to the moist state.
1516P	375	0.980	Galvanic industry, very dense and dirty mineral oils.
1516	390	0.930	Galvanic industry, oils, turbid mineral oils. Absorbent for liquids
1301/400	400	0.750	Filtration of nutritional additives.
1301/430	430	0.880	Mineral water, fine chemicals, galvanic, special low density liquids
1301/450	450	0.990	Filtration or clarifications in the chemical industry. Alcohols, filtration of water from boilers.
1301/500	500	1.130	Polishing of edible oils, soaking of industrial substances.
1345	160	0.400 - 0.450	Carbon active paper. Liquids bleaching, galvanic industry Chemical products
1346	170	0.450 - 0.500	Active carbon filter paper, food grade

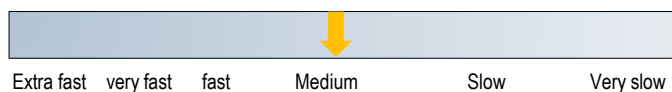
Technical filter paper ref. 1300G



Surface: smooth

Grammage: 85 gr/m²
Thickness: 0.180 mm

Speed filtration: Medium



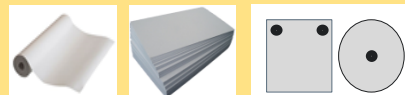
Applications

- Prefiltration in filter press before filter sheets
- Filtration of salted solutions
- Filtration of sugar juices

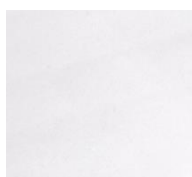
Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



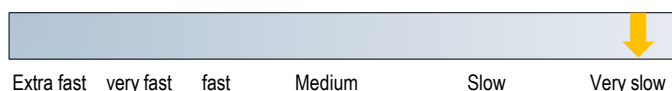
Technical filter paper ref. SM90



Surface: smooth

Grammage: 90 gr/m²
Thickness: 0.190 mm

Speed filtration: Very slow



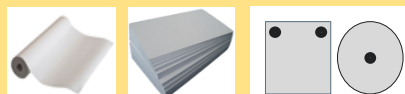
Applications

- Retention of carbon active particles
- Filtration of mineral water
- Final polishment of different liquids

Properties

- Smooth filter paper.
- Extra high wet resistance
- Biodegradable
- Very slow filtration

Formats



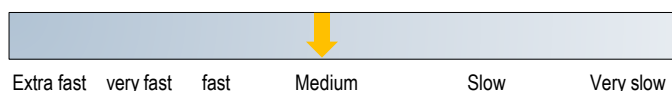
Technical filter paper ref. 1055



Surface: smooth

Grammage: 100 gr/m²
Thickness: 0.240 mm

Speed filtration: Medium



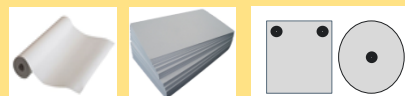
Applications

- Filtration of essences
- Prefiltration of wine, liquors and vinegars before filter sheets.

Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



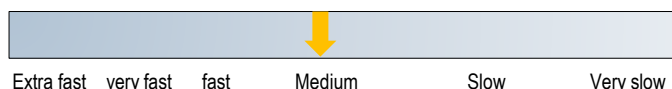
Technical filter paper ref. 1300/110



Surface: smooth

Grammage: 110 gr/m²
Thickness: 0.250 mm

Speed filtration: Medium



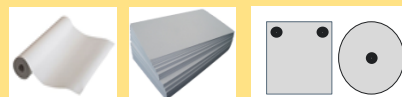
Applications

- Quick filtration of large volume fro retention of thick particles
- Filtration of emulsions
- Absorption of ink in the print industry

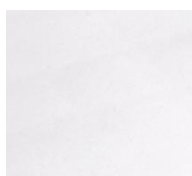
Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1301/125



Surface: smooth

Grammage: 125 gr/m²
Thickness: 0.250 mm

Speed filtration: Fast



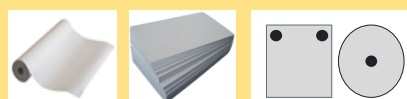
Applications

- Filtration of chemical products

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1301/140



Surface: smooth

Grammage: 140 gr/m²
Thickness: 0.290 mm

Speed filtration: Fast



Applications

- Filtration of resines in high temperature
- Filtration of food additives
- Filtration of lacquers

Properties

- Crepe filter paper.
- High wet resistance
- Biodegradable

Formats



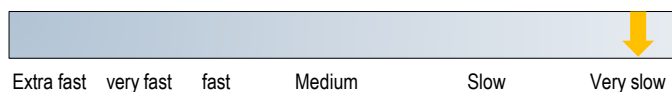
Technical filter paper ref. F150



Surface: smooth

Grammage: 150 gr/m²
Thickness: 0.300 mm

Speed filtration: Very Slow



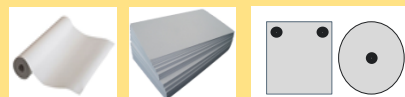
Applications

- Filtration of water for boilers
- Clarification of clear liquids
- Polishing of chemical products

Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable
- Very slow filtration

Formats



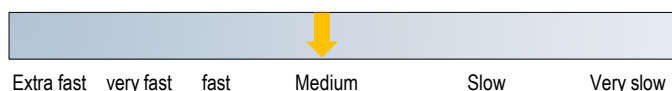
Technical filter paper ref. 1301/160



Surface: smooth

Grammage: 160 gr/m²
Thickness: 0.380 mm

Speed filtration: Medium



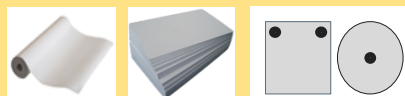
Applications

- Filtration of turbid liquids
- Filtration of vegetable extracts
- Fruit juices

Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



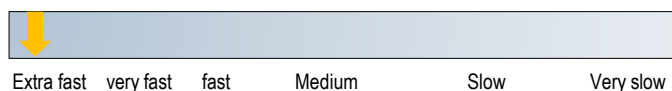
Technical filter paper ref. 1320



Surface: smooth

Grammage: 160 gr/m²
Thickness: 0.470 mm

Speed filtration: Extra fast



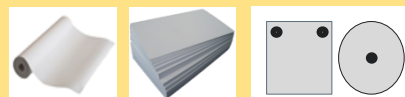
Applications

- Filtration of animal fats as butter.
- Very dense essential oils.
- Syrups
- Filtration of liquids with high load precipitates

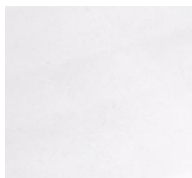
Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable
- Extra fast filtration

Formats



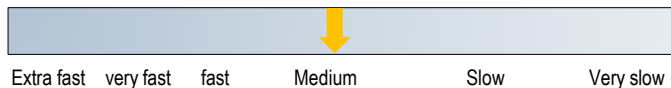
Technical filter paper ref. 1301/190



Surface: smooth

Grammage: 190 gr/m²
Thickness: 0.410 mm

Speed filtration: Medium



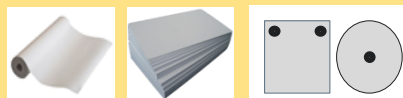
Applications

- Polishment of olive oil before bottled.
- Filtration of chemicals products
- Absorption of excess ink in the print industry
- In the galvanic industry for filtration of manganese baths
- Filtration of food aditives

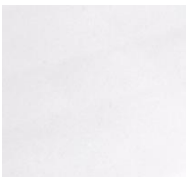
Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1301/190S



Surface: smooth

Grammage: 190 gr/m²
Thickness: 0.400 mm

Speed filtration: Fast - Medium



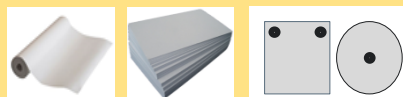
Applications

- Filtration in filter press with high pressure

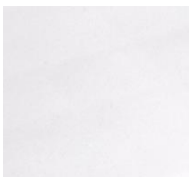
Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable

Formats



Technical filter paper ref. 1301/250



Surface: smooth

Grammage: 250 gr/m²
Thickness: 0.580 mm

Speed filtration: Fast



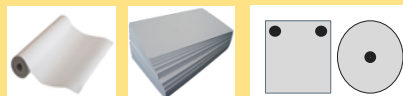
Applications

- Standard quality for clarification of liquids
- Filtration of transformer oils
- Cosmetics
- In galvanic industry for filtration of manganese, cooper, bright nickel, zinc and nickel baths.

Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



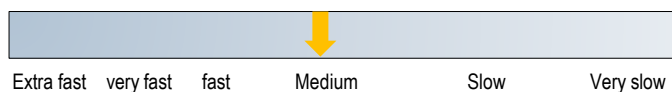
Technical filter paper ref. 1301/280



Surface: smooth

Grammage: 280 gr/m²
Thickness: 0.444 mm

Speed filtration: Medium



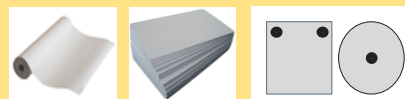
Applications

- Filtration of mineral oils
- Hidrocarbons
- Lacquers and resins
- In galvanic industry for filtration of cooper and zinc baths

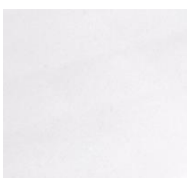
Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



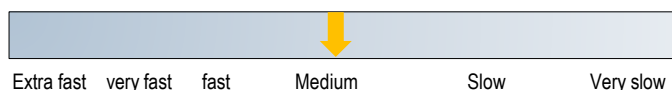
Technical filter paper ref. 1301/300



Surface: smooth

Grammage: 300 gr/m²
Thickness: 0.650 mm

Speed filtration: Medium



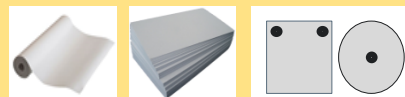
Applications

- Special quality for filtration of mineral oils: big motors, machines, electrical transformers.

Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable

Formats



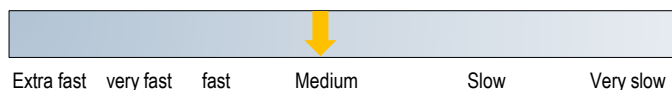
Technical filter paper ref. 1301/320



Surface: smooth

Grammage: 320 gr/m²
Thickness: 0.880 mm

Speed filtration: Medium



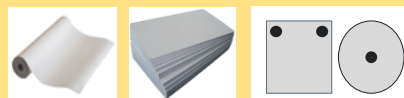
Applications

- Filtration of turbine oils, transformers, hydraulics, motor lubricants.
- Dirty products

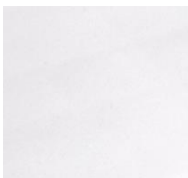
Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable

Formats



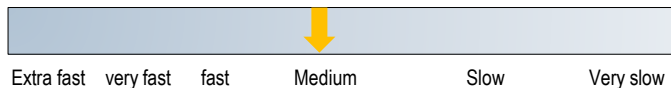
Technical filter paper ref. 1301/350



Surface: smooth

Grammage: 350 gr/m²
Thickness: 0.780 mm

Speed filtration: Medium



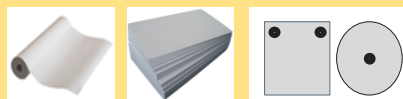
Applications

- Filtration of fine chemicals

Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable
- Good retention of fine particles

Formats



Technical filter paper ref. 1516P



Surface: smooth

Grammage: 375 gr/m²
Thickness: 0.980 mm

Speed filtration: Fast



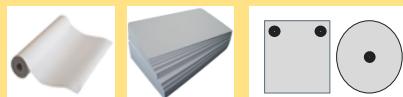
Applications

- Filtration of very dense and dirty oils
- In galvanic industry for silver and zinc baths
- Dense resins and lacquers
- Essential oils, syrups and fats
- Clarification of biodiesel

Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable
- High load capacity

Formats



Technical filter paper ref. 1516



Surface: smooth

Grammage: 390 gr/m²
Thickness: 0.930 mm

Speed filtration: Medium



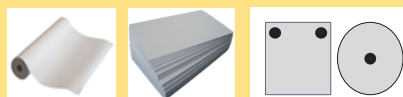
Applications

- Absorption of different liquids.
- Filtration of mineral, engines, electrical transformer oils, motors, turbines

Properties

- Smooth filter paper.
- High wet resistance
- Biodegradable
- High load capacity

Formats



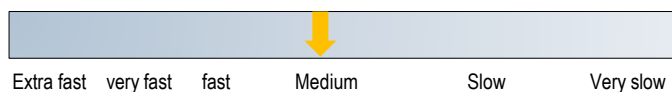
Technical filter paper ref. 1301/400



Surface: smooth

Grammage: 400 gr/m²
Thickness: 0.750 mm

Speed filtration: Medium



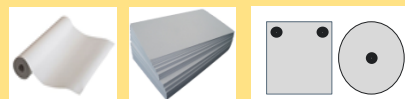
Applications

- Filtration of fine chemicals
- Filtration of nutritional additives
- Mineral water
- Filtration of clear liquids with low density
- In galvanic industry for filtration of cooper baths

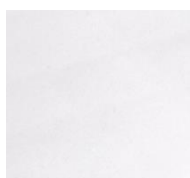
Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable
- Good retention of fine particles
- High load capacity

Formats



Technical filter paper ref. 1301/430C



Surface: smooth

Grammage: 430 gr/m²
Thickness: 0.880 mm

Speed filtration: Very Slow



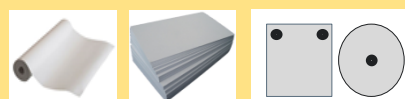
Applications

- Filtration of fine chemicals
- Mineral water
- Filtration of clear liquids with low density
- In galvanic industry for filtration of cooper baths
- Liquids with very high turbidity

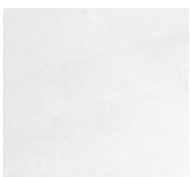
Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable
- Good retention of fine particles
- High load capacity

Formats



Technical filter paper ref. 1301/450



Surface: smooth

Grammage: 450 gr/m²
Thickness: 0.990 mm

Speed filtration: Slow



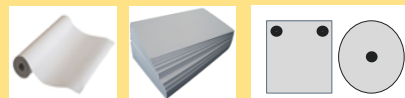
Applications

- Filtration and clarifications in the chemical industry
- Alcohols and spirits
- Filtration of water for boilers
- Retention of particles as diatomeaceous, active carbon, perlites and other used in the food industry

Properties

- Smooth filter paper.
- Very high wet resistance
- Biodegradable
- High load capacity
- Good retention of fine particles
- Thick thickness

Formats



Technical filter paper ref. 1301/500



Surface: smooth

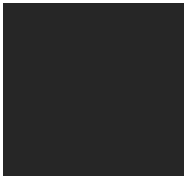
Grammage: 500 gr/m²
Thickness: 1.130 mm

Speed filtration: Slow



<p>Applications</p> <ul style="list-style-type: none"> Construction of sewn bags for final filtration of olive oil. Filtration of many industrial substances Mineral water Retention of particles as active carbon, perlites, diatomeaceous used in the food industry Filtration of foods In galvanic industry for silver and nickelsulfamate baths 	<p>Properties</p> <ul style="list-style-type: none"> Smooth filter paper. High wet resistance Biodegradable High load capacity Thick filter paper 	<p>Formats</p>
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Carbon filter paper ref. 1345



Surface: smooth

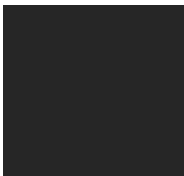
Grammage: 160 gr/m²
Thickness: 0.400 – 0.450 mm

Speed filtration: Slow



<p>Applications</p> <ul style="list-style-type: none"> Chemical products Clarification and decoloration of industrial liquids. In galvanic industry for filtration of lead, cadmium, ferrum, cooper and bright nickel baths Regeneration of galvanic baths 	<p>Properties</p> <ul style="list-style-type: none"> Filter paper with active carbon 30% carbon contained Good retention of very fine particles Use only for industrial grade 	<p>Formats</p>
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Carbon filter paper ref. 1346



Surface: smooth

Grammage: 170 gr/m²
Thickness: 0.450 – 0.500 mm

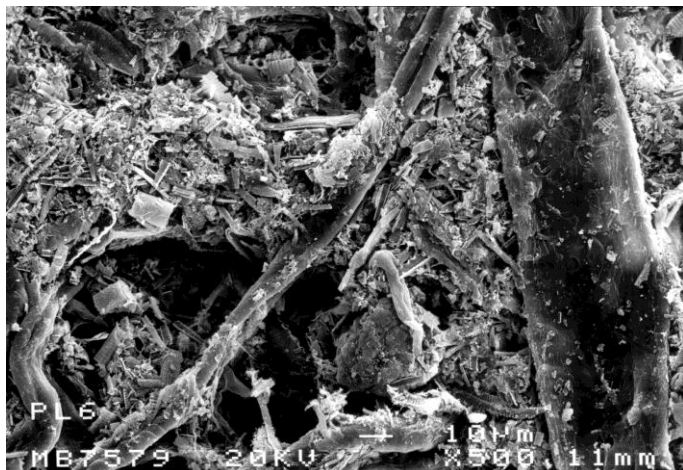
Speed filtration: Slow



<p>Applications</p> <ul style="list-style-type: none"> Filtration and decoloration of food 	<p>Properties</p> <ul style="list-style-type: none"> Filter paper with active carbon 30% carbon contained Good retention of very fine particles Use only for food grade 	<p>Formats</p>
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Filter sheets

Filtration of chemical products, pharmaceuticals, cosmetics, additives, fat, emulsions, fruit juices, liquors, oils, drinks...



APPLICATIONS

- Drinks: wine, grape juice, liquor, beer, cider, vinegar, mineral water, fruit juices, spirits, etc.
- Chemicals: resins, lacquers, stains, dyes, alcohols.
- Edible oils: olive, refined, seed, etc.
- Foodstuffs essences, syrups, additives, gelatine, fructose, glucose, vegetable extracts, etc.
- Pharmaceuticals: serum and plasma solutions, ophthalmic solutions, vaccines, etc.
- Cosmetics and perfumes: fragrances, scents, colognes.
- Hydrocarbons: gasoline, lubricants, mineral oils.

Description

The filtration of liquids through the use of filter presses and filter disks is nowadays a system that is still much in use for: industrial liquids, food, drinks, cosmetics. Filter sheets are made of pure cellulose and cotton fibers, Diatom soil, pearls and polyethylene fibers in some cases. This composition provides to this filtration method some interesting characteristics:

Excellent performance

The cellulose structure creates a three dimensional matrix due to the large void volume greater than 85%, allowing passage of high flow.

Retention

Auxiliary materials of the plates increase the retentive effect which, combined with the high positive zeta potential provide polyethylene fibers are retained, also causes small particles and negatively charged colloids.

Quality

The Filtros Anioia, S.A filter disks are manufactured according to the quality system DIN ISO 9001. All specific production parameters are monitored continuously during the whole manufacturing process.

Resistance

Thanks to the using inert polymers during the production process ensures that these plates are resistant to humid environments, even at concrete temperature.



Technical specifications

Ref.	Effect	Weight in grams	Thickness	Density	Flow rate	Ash	Nominal retention
		gr/m ²	mm	g/cm ³	l/min x m ²	%	µm
PF-10	Breaker down	700 - 825	3.20 - 3.70	0.20 - 0.27	1250	< 2	40.0 - 50.0
PF-30	Breaker down	desgrose	2.90 - 3.50	0.21 - 0.30	1110	17 - 21	7.0 - 11.0
PF-35	Breaker down	950 - 1075	3.50 - 3.70	0.26 - 0.31	950	22 - 27	4.0 - 7.0
PF-50	Clarifier	875 - 1000	2.10 - 2.30	0.38 - 0.48	235	30 - 37	3.0 - 4.0
PF-395	Medium polisher	1050 - 1200	3.40 - 3.70	0.28 - 0.35	600	37 - 43	3.5 - 5.5
PF-595	Medium polisher	1150 - 1300	3.40 - 3.70	0.31 - 0.38	200	36 - 42	2.0 - 3.0
PF-795	Fine polisher	1150 - 1300	3.40 - 3.60	0.32 - 0.38	120	38 - 44	1.0 - 2.25
PF-995	Sterile	1450 - 1600	3.50 - 4.00	0.36 - 0.46	55	36 - 42	0.4 - 0.6
PF-997	Sterile	1400 - 1600	3.60 - 4.10	0.34 - 0.44	67	44 - 50	0.25 - 0.45

Formats and dimensions



20 x 20	40 x 40	60 x 60
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Dimensions: Measures in cm

Presentation: 20 x 20 cm: Cartons of 400 units

40 x 40 cm: Cartons of 100 units

60 x 60 cm: Cartons of 50 units

Other formats and dimensions available under demand.

Information for orders. Filter sheets

Ref.	20 x 20 cm	40 x 40 cm	60 x 60 cm
PF-10	HJPF102020	HJPF104040	HJPF106060
PF-30	HJPF302020	HJPF304040	HJPF306060
PF-35	HJPF352020	HJPF354040	HJPF356060
PF-50	HJPF502020	HJPF504040	HJPF506060
PF-395	HJPF3952020	HJPF3954040	HJPF3956060
PF-595	HJPF5952020	HJPF5954040	HJPF5956060
PF-795	HJPF7952020	HJPF7954040	HJPF7956060
PF-995	HJPF9952020	HJPF9954040	HJPF9956060
PF-997	HJPF9972020	HJPF9974040	HJPF9976060

Filter press

Filtration of different industrial and pharmaceuticals liquids, beverages, food, etc.



APPLICATION

- Filtration of wines, liqueurs, spirits, vinegar.
- Chemical filtration.
- Filtration of essential oils.
- Filtration of edible oils.
- Filtration of samples of high-volume laboratory.
- Small-scale production of perfumes

Description

Sometimes leakages must perform certain small volumes of liquids whose production is performed on a reduced scale (perfumes, pharmaceuticals, valuable liquids, etc.). In these cases require the use of filtration systems which are manageable, accurate and reliable.

FILTER-LAB® is a filtration system filter press for small size and portable. Use filter plates 20 x 20 cm, with a maximum of 36 plates. The version is made of bronze M3000, M3000 and another quality the INOX, for food use is also made in bronze with the surface treatment steel.

It is available as an accessory gauge and spare parts: rubber washers, drip tray and filter holder plates.

Technical specifications

M3000 series equipment Material: brass body, PP plates, rubber washers
 Material M3000INOX team series: brass body with a surface treatment steel, PP plates, rubber washers.
 Measure plates: 20 x 20 cm
 Maximum operating pressure: 20 bar
 Power supply: 220 V, 50 Hz
 Work Surface: 6 plates, 0.24 m², 12 plates, 0.48 m², 18 plates, 0.72 m², 36 plates, 1.44 m²
 Weight: 17 kg (6 plates)
 Dimensions: 450 x 270 x 280 mm
 Input / Output: rubber tube 20 mm diameter

Information for orders. Plat filter press

M3000

n° of plates	Code
6	M30002020-6
12	M30002020-12
18	M30002020-18
36	M30002020-36

M3000 INOX

n° of plates	Code
6	M3000INOX2020-6
12	M3000INOX2020-12
18	M3000INOX2020-18
36	M3000INOX2020-36

ACCESSORIES

Code	Description
M3000-V1	Pressure-gauge and regulation valve Adaptable to all kind of filter press
M3000-AG	Gum washer. Bag of 8 units
M3000-BG	Drippin tray
M3000-PB	White filter holder plate
M3000-PRE	Red filter holder plate input
M3000-PRS	Red filter holder plate output

Orders for TECHNICAL FILTER PAPERS

The products contained in this catalogue can be ordered through the Commercial Office of Filtros Anoa.

For more technical information to our Technical and Commercial Department

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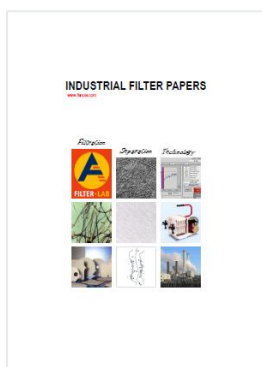
Fax +34.93.8997172

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www.fanoia.com

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About this catalog



All the applications indicated in this catalog of products are only possible examples of use after many years of experience. So it is advised to evaluate in each case the characteristics of the sample or the liquid to filter and also the use conditions.

There is a version of this catalog in Spanish, you can ask for it to our Commercial Department.

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Digital edition finished May, 2014. Barcelona

About FILTER-LAB®

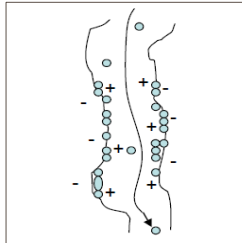
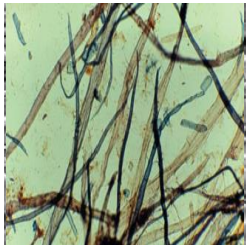
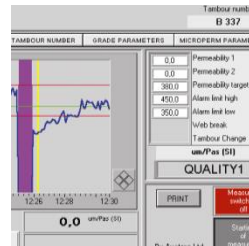
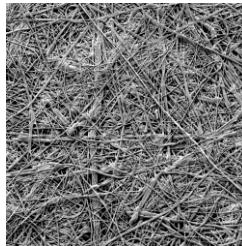
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Filtration



Separation Technology



Specialists in filtration, microfiltration and separation products of laboratory.



FILTER-LAB

www.fanoia.com

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