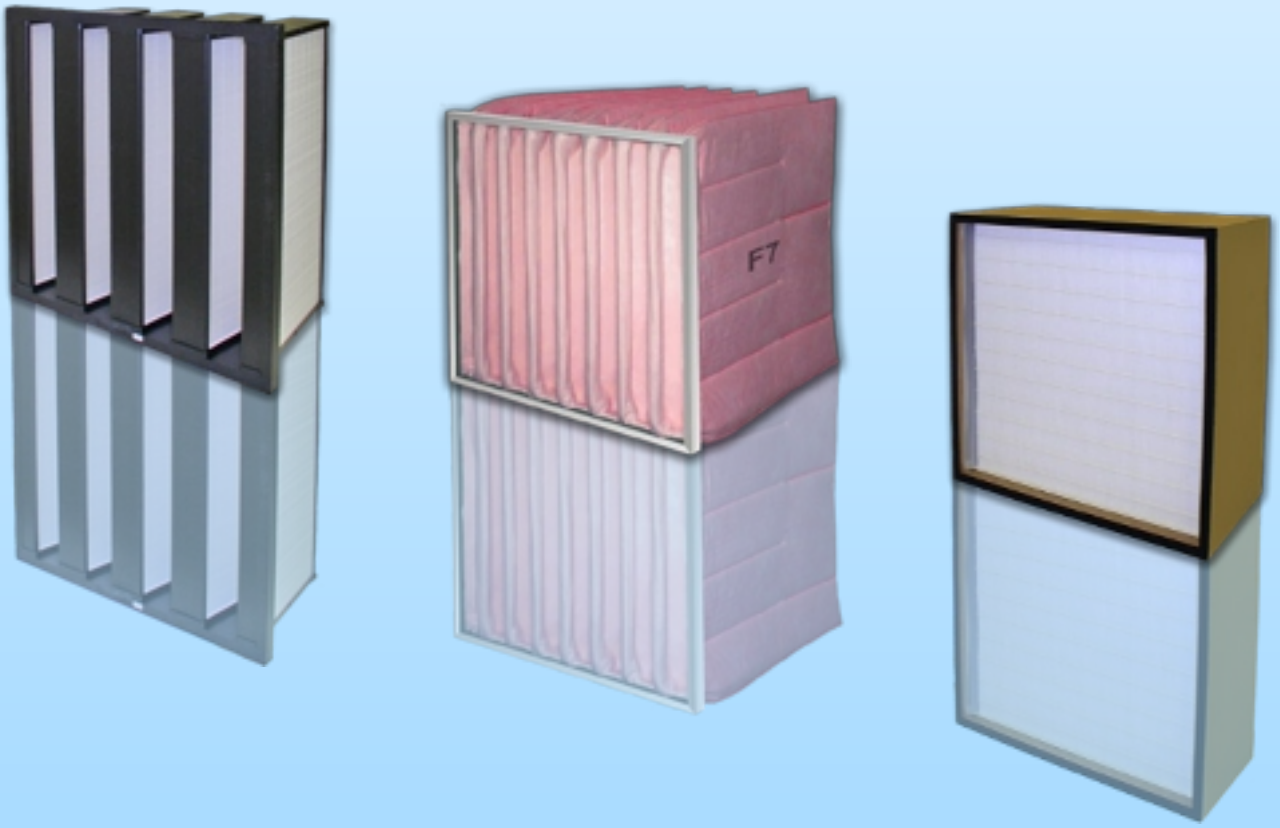
Product Catalogue

Filters for air conditioning technology
Filters for painting and drying technology



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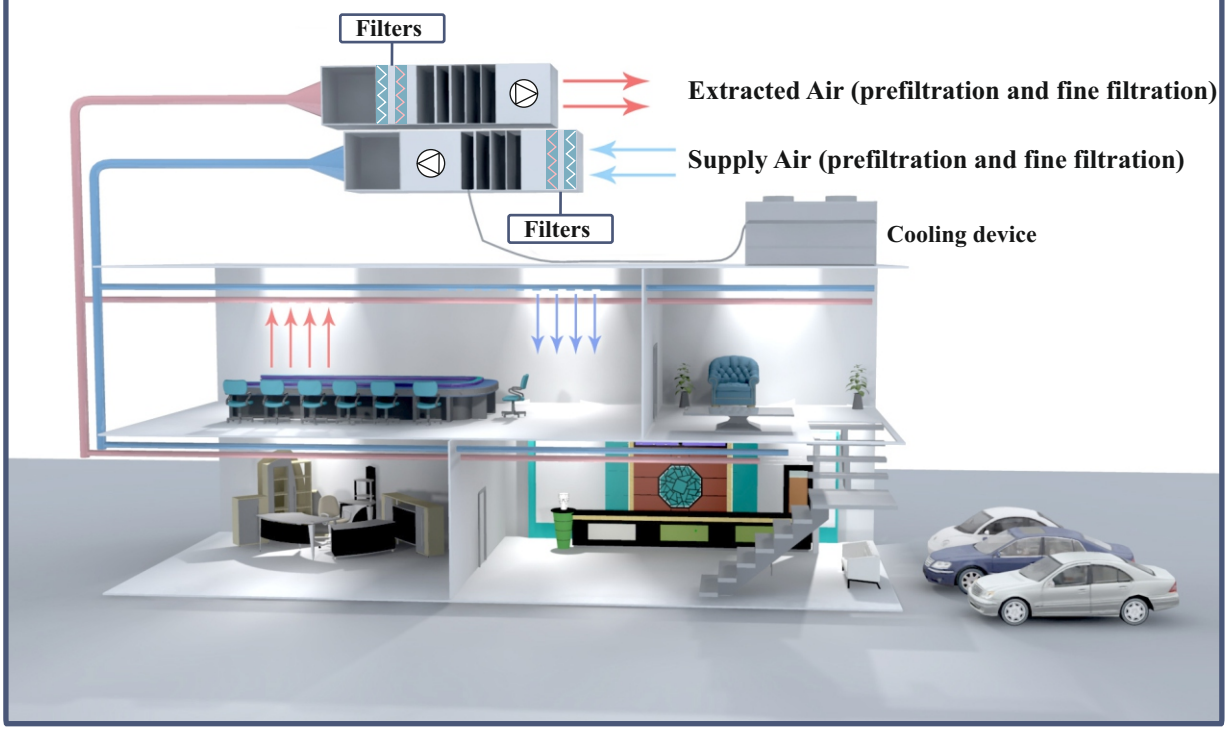
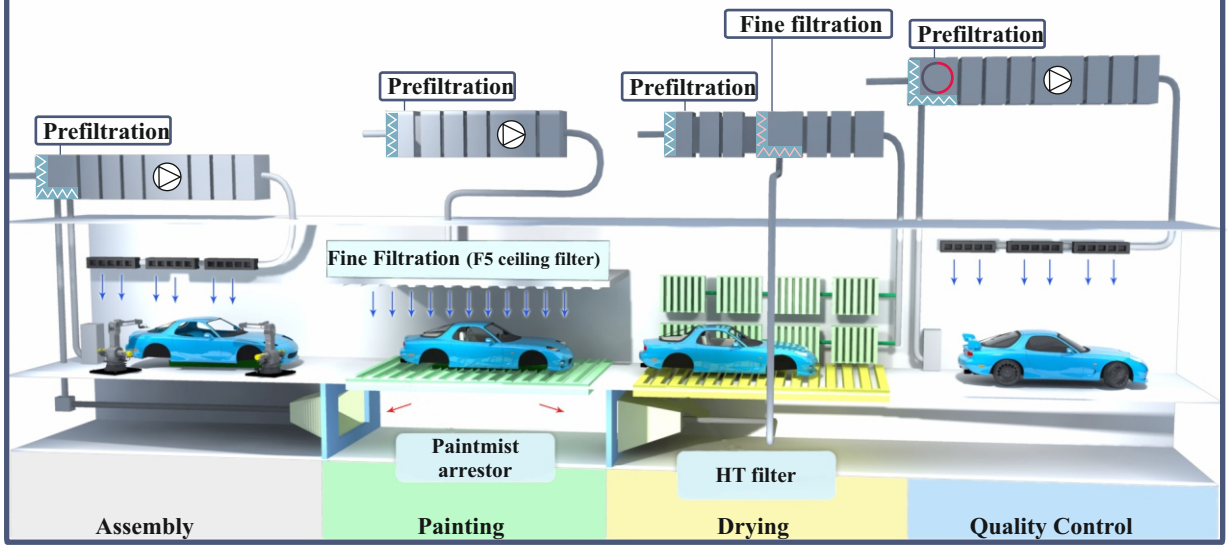
Fields of Application

Air conditioning and ventilation technology



Painting and drying technology



Product Selection

Filtermats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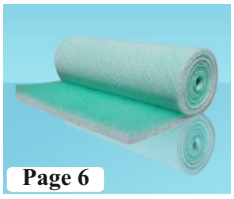
Texfilt PRE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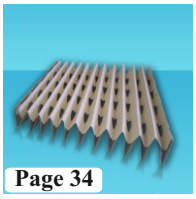
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TEXFILT PRE FILTERMATS

PRE 100K		PRE 150K		PRE 200K		PRE 300K	
G 2 EN 779	EU 2 DIN 24 185	G 3 EN 779	EU 3 DIN 24 185	G 4 EN 779	EU 4 DIN 24 185	G 4 EN 779	EU 4 DIN 24 185

- Tested according to EN 779
- Shatter-proof synthetic fibres
- Contains no silicone or other lacquer harming substances
- High dust holding capacity
- Long service life

The application

PRE filter mats are used for intake air filtration in all kinds of ventilation systems, particularly for coarse dust arrestance and as pre-filter stages.

Material characteristics

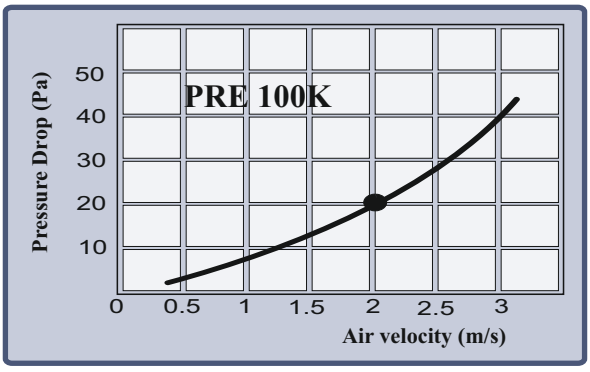
The mats are made of high performance nonwovens produced from break-resistant polyester fibers with thermal bonding.
This technique has several distinctive advantages : through-bonded in depth offering dimensional stability ; improved strength, big dustholding capacity combined with a long life time.

		PRE 100K	PRE 150K	PRE 200K	PRE 300K
Material		PES	PES	PES	PES
Weight	g/m^2	100	150	200	300
Thickness	mm	10	12	18	25
Thermal stability	°C	up to 80	up to 80	up to 80	up to 80
Humidity resistance	%	up to 100	up to 100	up to 100	up to 100
Supplied as rolls width/length	mm/m	2000/20	2100/30	2100/25	2000/20
Supplied as precuts	mm	Pieces cut to customer's specification			

Technical filtertest data in accordance with EN 779

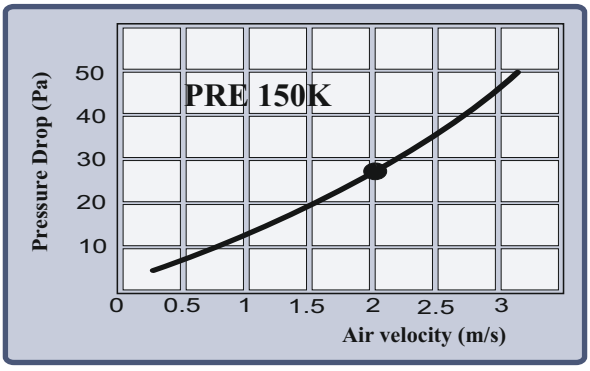
PRE 100K

Average arrestance	A_a	%	68
Initial efficiency	E_i	%	>20
Nominal velocity		m/s	2
Initial pressure drop		Pa	20
Recommended final pressure drop		Pa	150
Dust holding capacity		g/m^2	380



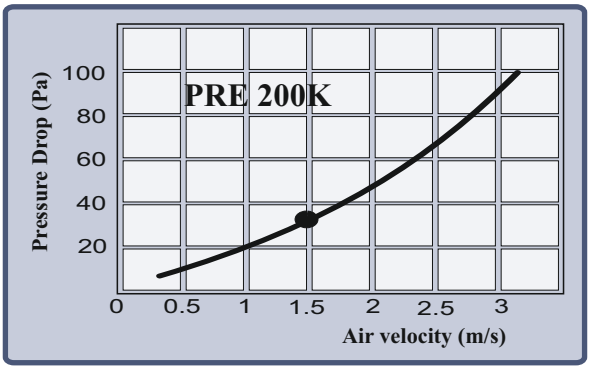
PRE 150K

Average arrestance	A_a	%	87
Initial efficiency	E_i	%	>20
Nominal velocity		m/s	2
Initial pressure drop		Pa	28
Recommended final pressure drop		Pa	200
Dust holding capacity		g/m^2	400



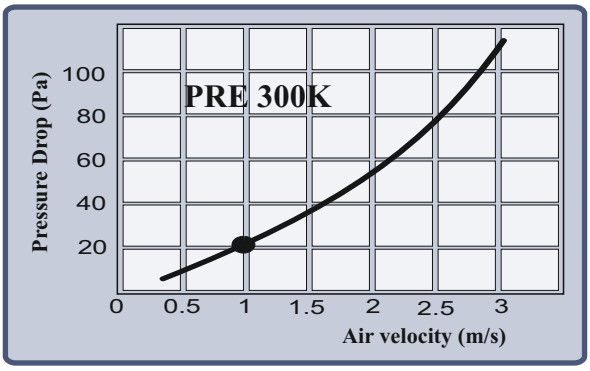
PRE 200K

Average arrestance	A_a	%	90
Initial efficiency	E_i	%	>20
Nominal velocity		m/s	1.5
Initial pressure drop		Pa	32
Recommended final pressure drop		Pa	200
Dust holding capacity		g/m^2	500



PRE 300K

Average arrestance	A_a	%	93
Initial efficiency	E_i	%	>20
Nominal velocity		m/s	1
Initial pressure drop		Pa	25
Recommended final pressure drop		Pa	200
Dust holding capacity		g/m^2	600



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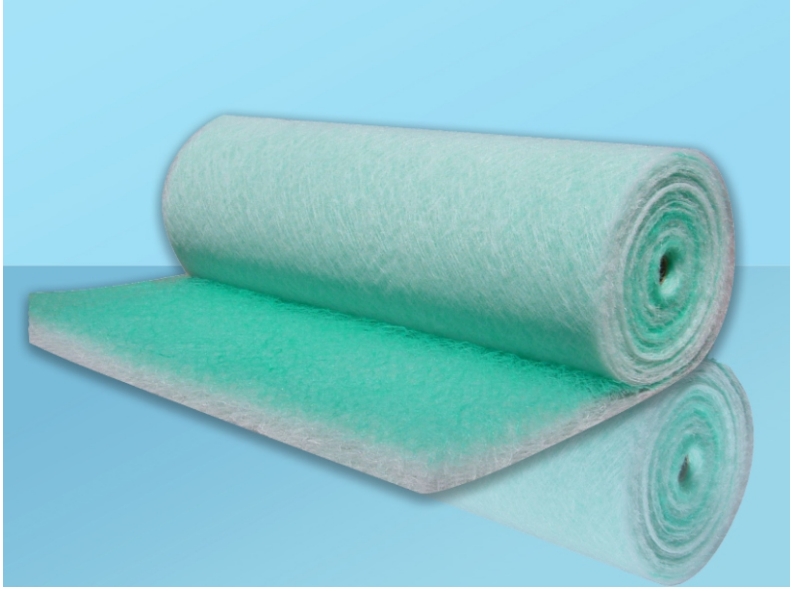
TEXFILT G PAINTSTOP GREEN

G 50	G 75	G 100
94% Paint mist Arrestance	**96%** Paint mist Arrestance	**98%** Paint mist Arrestance

- Openly structured upstream side
- Removes overspray of all types of paint lacquer
- Protects exhaust ducts, fans and motors
- Contains no silicone or other lacquer harming substances
- Clean exhaust air is discharged to the atmosphere



The application

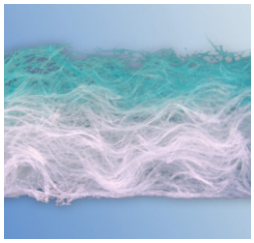
High-quality filtration of the exhaust air from paint-spray booths.
Separates paint mist from exhausted air. Thereby, exhaust air channels, fans and motors are protected from paint deposits.

Material characteristics

The filter media is made of continuos filament glass fibres with an open weave pattern that allows particles to penetrate deep into the pad. Paint is collected throughout the full depth, extending pad life and reducing costs.

For identification reasons, dust air side is coloured green.

Techical data		G50	G 75	G 100
Weight	g/m^2	240	290	350
Thickness	mm	50	70	100
Face velocity	m/s	0.7-1.75	0.7-1.75	0.7-1.75
Volume flow	m^3/hm^2	2500-6300	2500-6300	2500-6300
Initial pressure drop	Pa	7-40	10-50	15-60
Paint mist arrestance	%	94	96	100
Paint storage capacity (at 80 Pa and 0.7 m/s)	g/m^2	3500-4700	3700-4900	3900-5050



Shape elastic fibre structure

The low compressibility of inordinately bedded glass fibres prevents the used media from becoming compressed and enhances a higher separation.

Fire Prevention

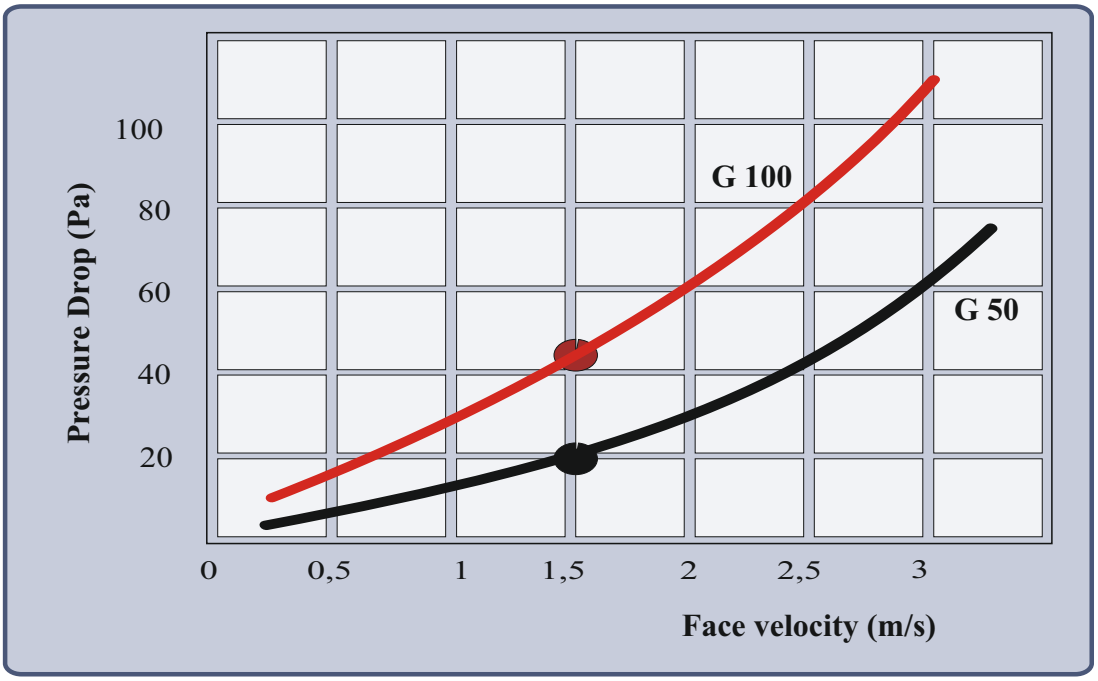
Fire prevention requirements according to DIN 53438 **(F3)**

Temperature resistant up to max. **180°C**

Standard roll dimensions

Product	Roll width (mm)	Roll length (m)
Texfilt G 50	500/750/1000/1500/2000	20
Texfilt G 75	500/750/1000/1500/2000	20
Texfilt G 100	500/750/1000/1500/2000	20

Airflow Resistance



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TEXFILT F5 FILTERMATS

The professional filter mats for gleaming paintwork

- For paintspray and drying booth applications
- Fine synthetic fibres
- Multi-layered structure
- Contains no silicone or other lacquer harming substances

The application

In surface treatment applications, the F5 filter mats are acknowledged as standard equipment.
The main field of application for these fine filters is final intake air filtration in paint spray systems and booths.

Material characteristics

The mats are made of high performance nonwovens Produced from elastic, break-resistant polyester fibers. These nonwovens are thermally bonded and specially smoothed on the clean air side, in order to assure excellent fiber bonding.
In addition, the fibers are specially processed to provide an actively adhesive surface.
The filter media are progressive in structure, with layers of differing fiber diameters being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean air side. This optimizes the defined filter performance and the dust holding capacity, resulting in longer useful lifetime for the filter concerned.

Fire behaviour: the filter media satisfy the stringent requirements of Fire Class F1 according to DIN 53438 and are thus self-extinguishing.

Filter mats ensure practically 100% arrestance of particles >10 µm which might cause visually perceptible surface imperfections. This means maximized protection against paintwork defects for the user.

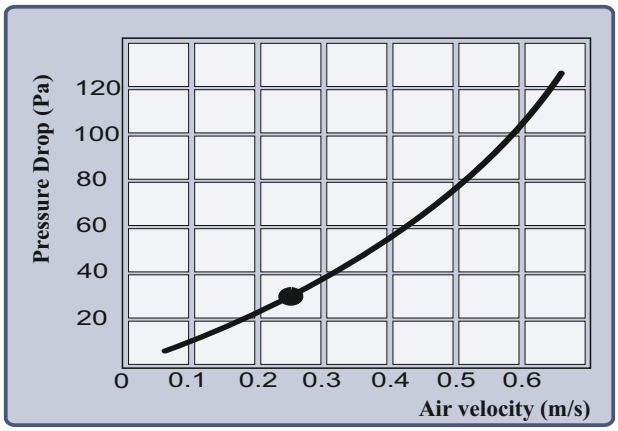
The media additionally features a reinforcing scrim on the clean air side. This enhances the filter mat's stability and reduces the risk of damage to the clean air side during installation.

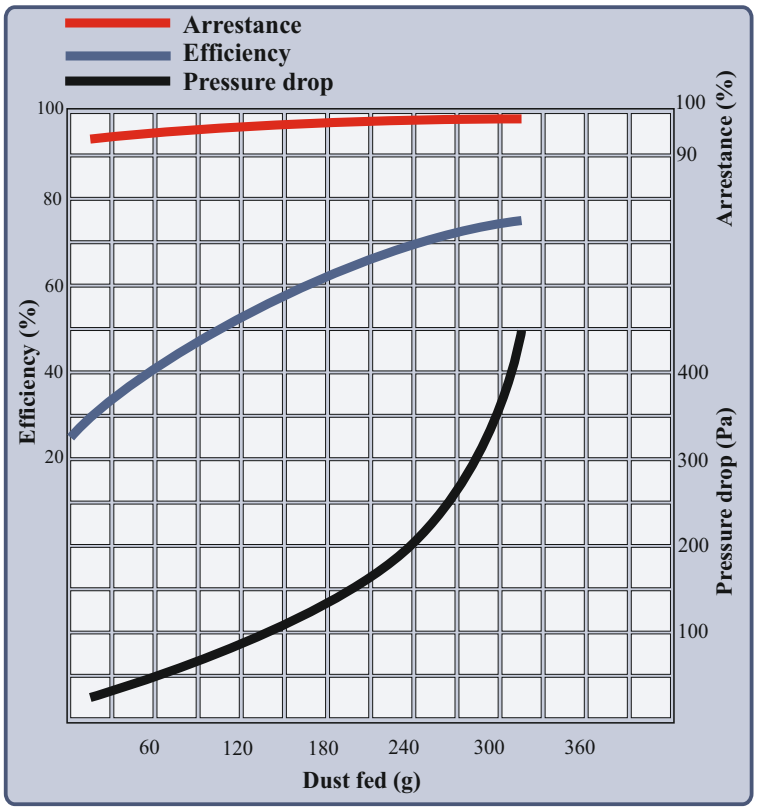
		Texfilt F5
Material		PES
Weight	g/m²	580
Thickness	mm	25
Thermal stability	°C	up to 100
Humidity resistance	%	up to 100
Supplied as rolls width/length	mm/m	2000/20
Supplied as precuts	mm	Pieces cut to customer's specification

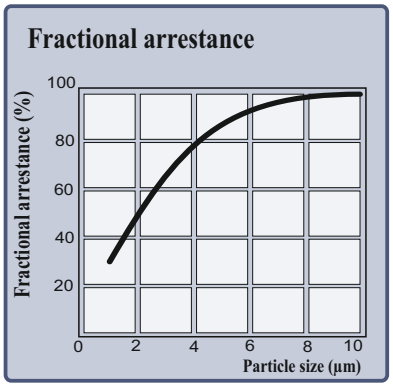
Technical filtertest data in accordance with EN 779

Texfilt F5

Average arrestance	A_a	%	99
Average efficiency	E_i	%	55
Nominal velocity		m/s	0,25
Initial pressure drop		Pa	30
Recommended final pressure drop		Pa	250
Dust holding capacity		g/m^2	300







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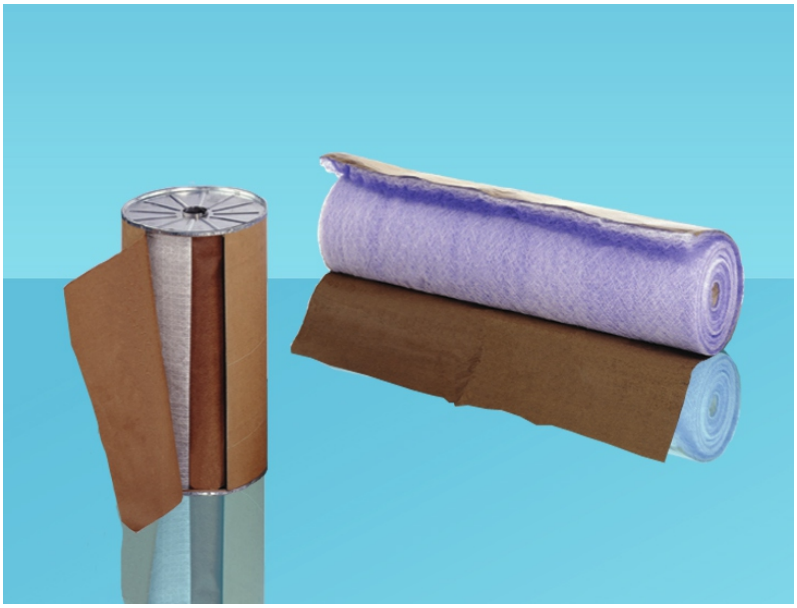
TEXFILT R FILTERMATS



- Suitable for all current roller tape systems
- Available in 5 widths
- Long lifetime
- High arrestance and dust holding capacity

The application

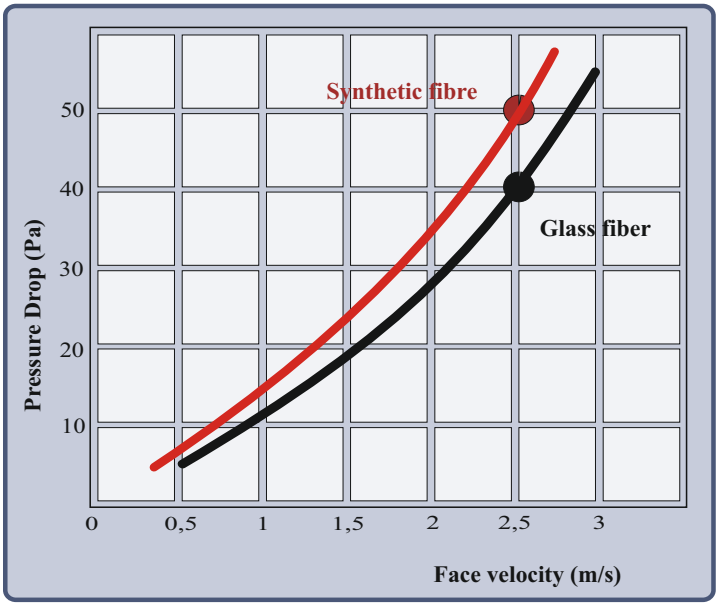
Texfilt R filtermats are designed for use in general ventilation and air conditioning roller tape systems. Media are available on cores and can be installed on all manufacturerers' automatic roll filter equipment. The rolls operate troublefree and provide superior filter performance.

Material characteristics

Media: Synthetic fibers, Glass fiber with dust-adhesive.
Synthetic fibers:
The mat is made of high performance nonwoven produced from polyester fibers with thermal bonding. The filter medium is progressive in structure, with layer of differing fiber diameters being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean-air side.
Glass fiber:
From the air entering side to the air leaving side the diameter of the fibres becomes smaller and the weave progressively tighter. This construction enables dirt particles to collect throughout the entire depth of the media. The glass fibres are heavily coated with Viscosine adhesive. The highly viscous adhesive clings to the fibres and as a result thoroughly saturates the entering dirt particles.

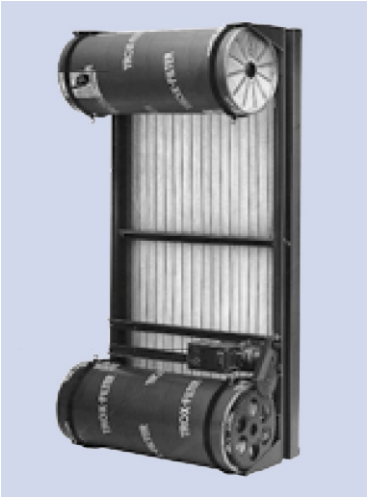
Fire behaviour: filter media satisfy the stringent requirements of Fire Class F1 according to DIN 53438 and are thus self-extinguishing.

Initial pressure drop curves



Standard versions for Texfilt R filtermats

System	Media	Filter class	Dimension	Roll width (mm)	Roll length (m)
AAF/CEAG **Metal bobbin with side discs**	Synthetic/ glass	G3/EU3	3	836	20
		G3/EU3	4	1141	20
		G3/EU3	5	1446	20
		G3/EU3	6	1751	20
		G3/EU3	7	2056	20
FARR/SCHIRP **Cardboard Bobbin**	Synthetic/ glass	G3/EU3	3	838	20
		G3/EU3	4	1143	20
		G3/EU3	5	1448	20
		G3/EU3	6	1753	20
		G3/EU3	7	2058	20
Trox **Cassette**	Synthetic/ glass	G3/EU3	A	950	20
		G3/EU3	B	1250	20
		G3/EU3	C	1550	20
		G3/EU3	D	1850	20
		G3/EU3	E	2150	20
Delbag **Cardboard bobbin**	Synthetic/ glass	G3/EU3	1	810	20
		G3/EU3	2	1110	20
		G3/EU3	3	1410	20
		G3/EU3	4	1710	20
		G3/EU3	5	2010	20



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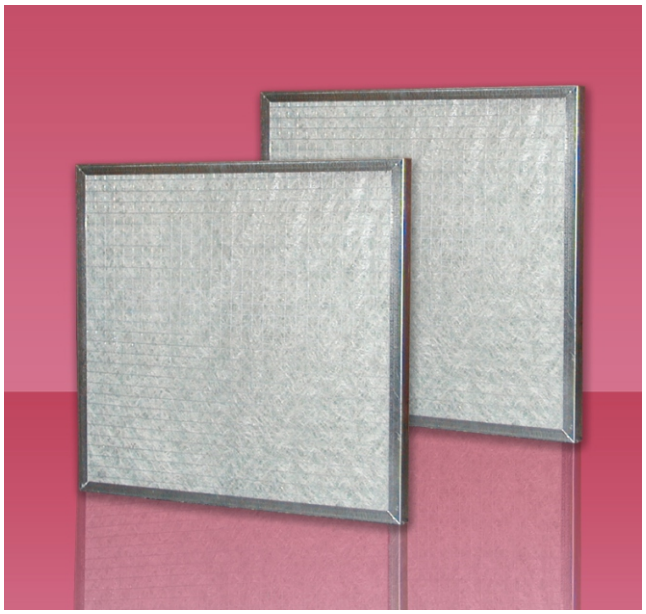
TEXFILT FLAT PANEL FILTERS

G 3 EN 779	EU 3 DIN 24 185	G 4 EN 779	EU 4 DIN 24 185	F 5 EN 779	EU 5 DIN 24 185



- Tested according to EN 779
- Filter classes G3-F5
- Can be used with different types of filter mats
- Changing metal frame
- High dust holding capacity
- Long service life

The application

Flat panel filters are designed for fine- and coarse-dust separation in special application areas in ventilation and climate control – especially in supply-air systems in industry, and in extracted-air systems for removal of oil and emulsion mist from the air. They can be also installed into ventilation systems of spray paint cabins, or drying facilities.
Filters are available in standard and custom-made sizes.

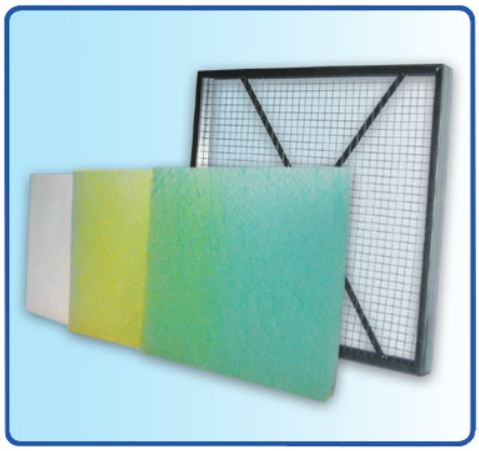
Material characteristics

-Synthetic prefilter mats
The filter medium used is a progressively structured nonwoven made of breakresistant synthetic-organic fibers.

-Synthetic fine filter mats
Produced from elastic, break-resistant polyester fibers. These nonwovens are thermally bonded and specially smoothed on the clean air side, in order to assure excellent fiber bonding.

-Prefilter glass fibre mats
The filter media is made of continuos filament glass fibres with an open weave pattern that allows particles to penetrate deep into the pad.

-HT-glassfibre mats
Temperature resistance up to 300 °C. Contains no silicone or other lacquer harming substances.

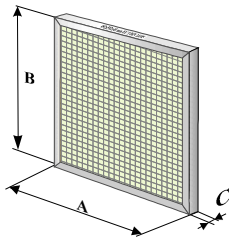


Technical filtertest data in accordance with EN 779

Tested size		592x592x20	592x592x25	592x592x48	492x492x20
Media		PES Prefilter	PES Fine filter	Glass Prefilter	Glass HT filter
Filter Class		G4	F5	G3	G4
Average arrestance A_a	%	>90	99	80-90	>90
Volume flow rate	m^3/h	1700	900	2000	1000
Initial pressure drop	Pa	30	85	35	70
Recommended final pressure drop	Pa	250	450	250	250

Standard sizes for Texfilt Flat panel filters

Specification flat panel filter



A= Width

B= Height

C= Depth

Please order in the following sequence: Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Filter Area m^2
287x287x20	0.08
287x490x20	0.14
287x592x20	0.17
392x492x20	0.19
492x492x20	0.24
592x592x20	0.35
392x622x20	0.24
492x622x20	0.30

Dimensions Widt xHeightx Depth mm	Filter Area m^2
287x287x25	0.08
287x490x25	0.14
287x592x25	0.17
392x492x25	0.19
492x492x25	0.24
592x592x25	0.35
392x622x25	0.24
492x622x25	0.30

Dimensions Widt xHeightx Depth mm	Filter Area m^2
287x287x48	0.08
287x490x48	0.14
287x592x48	0.17
392x492x48	0.19
492x492x48	0.24
592x592x48	0.35
392x622x48	0.24
492x622x48	0.30

Special sizes on request

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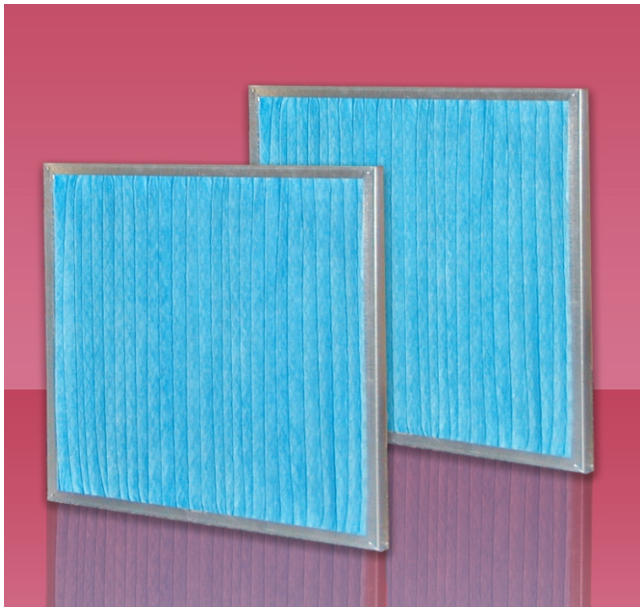
TEXFILT PLEATED PANEL FILTERS

G 3	EU 3	G 4	EU 4	F 5	EU 5
EN 779	DIN 24 185	EN 779	DIN 24 185	EN 779	DIN 24 185



- Tested according to EN 779
- Filter classes G3-F5
- Big filter are in small required space
- Laminated with a wire mesh grid on the air leaving side
- High dust holding capacity
- Long service life

The application

Texfilt pleated filter cells are used for prefiltration in ventilation and air-conditioning equipment as well as in air intake systems.It is particularly suited to applications where high initial efficiency and lower initial resistance is required.

The filter cells can be substitute for almost all commercially available filter cells and filter mats in replaceable frames.

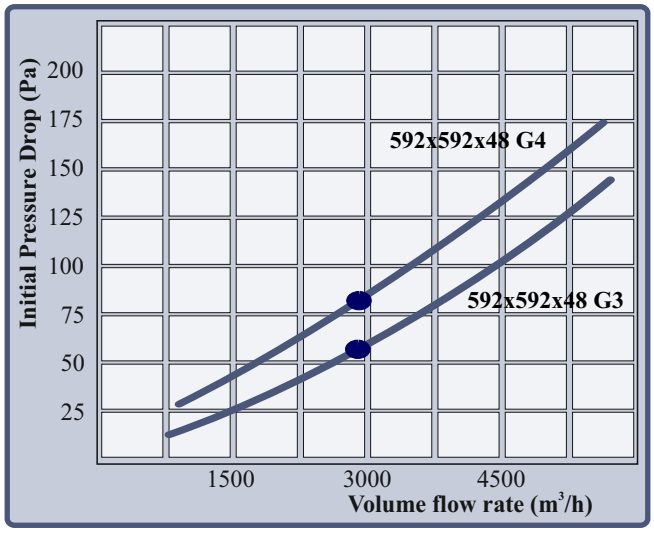
Material characteristics

The filter medium used is a progressively structured nonwoven made of breakresistant synthetic-organic fibers.

Filters are noncorroding, moisture-resistant up to 100% rel. Humidity, and self-extinguishing to DIN 53438 (Fire Class F1).

The maximum temperature for thermal stability is 70°C, with temporary peaks of up to 80°C possible.

Inital Pressure Drop Curves

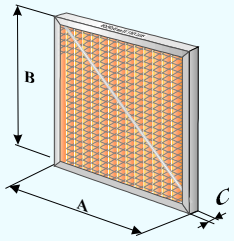


Technical filtertest data in accordance with EN 779

Filter class (EN 779)		G 3	G 4	F 5
Tested size		**592x592x48**	**592x592x48**	**592x592x48**
Average arrestance A_a	%	80-90	>90	>90
Initial efficiency E_i	%	>20	>20	45-55
Volume flow rate	m^3/h	3400	3400	3400
Initial pressure drop	Pa	60	85	95
Recommended final pressure drop	Pa	250	250	250
Effective filtering area	g	1.7	1.7	1.7

Standard sizes for Texfilt Pleated panel filters

Specification pleated filter



A= Width

B= Height

C= Depth

Please order in the following sequence: Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Filter Area m^2
287x287x25	0.20
287x490x25	0.34
287x592x25	0.43
392x492x25	0.46
492x492x25	0.58
592x592x25	0.84
392x622x25	0.59
492x622x25	0.74

Dimensions Widt xHeightx Depth mm	Filter Area m^2
287x287x48	0.41
287x490x48	0.70
287x592x48	0.85
392x492x48	0.94
492x492x48	1.18
592x592x48	1.70
392x622x48	1.19
492x622x48	1.49

Dimensions Widt xHeightx Depth mm	Filter Area m^2
287x287x96	0.50
287x490x96	1.00
287x592x96	0.85
392x492x96	1.32
492x492x96	1.44
592x592x96	2.03
392x622x96	1.33
492x622x96	1.72

Special sizes on request

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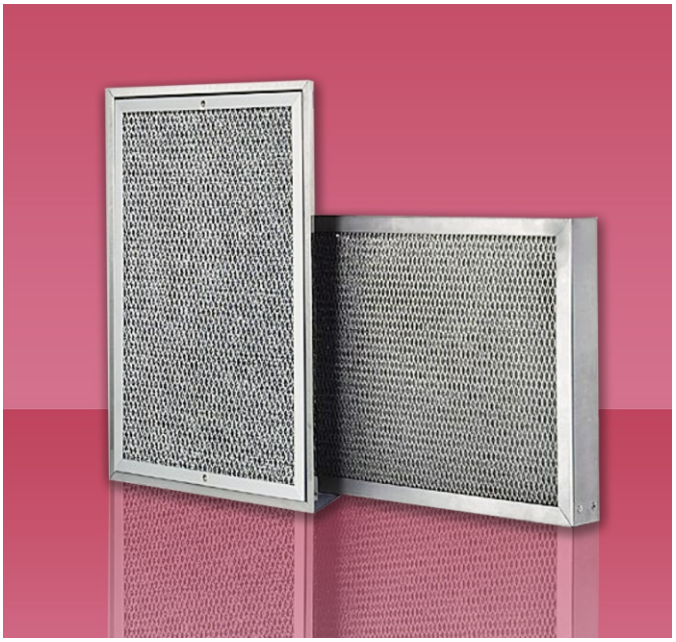
TEXFILT GREASE COLLECTOR FILTERS

- Kitchen applications
- Easy to clean
- Robust metal frame
- wire mesh grid on both sides
- Large cooling surface
- Long service life



The application

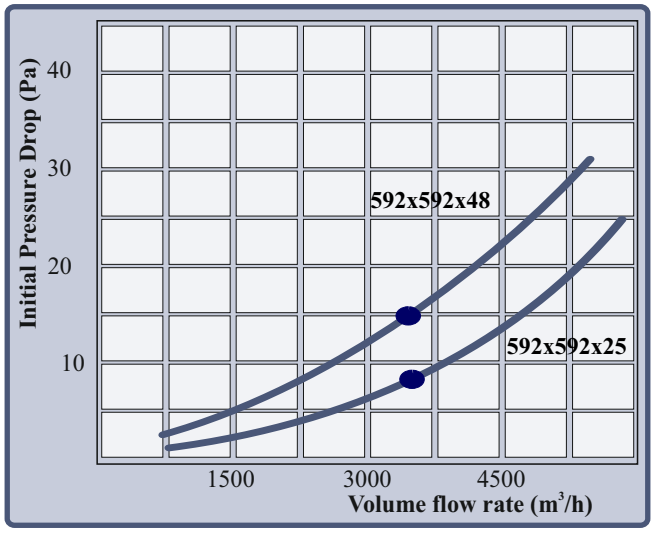
These filters are designed to meet requirements of kitchen applications. They may be applied to all environments where food is prepared and high amounts of oil, fat and other greases are common. Those particles are absorbed by steam, which will be drawn off by our metallic filters.

Material characteristics

The cells are made from interwoven metal wires. This weave has a relatively large cooling surface and a relatively low air flow resistance. It is held by a robust aluminium or steel frame and fixed by a grid on both sides of the media. These wire mesh filters are available in all sizes and can be made from aluminium,galvanised steel, or stainless steel.

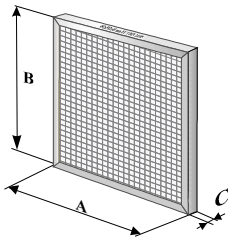
The filters are easy to clean. They can be put in most standard dish-washers.

Inital Pressure Drop Curves



Standard sizes for Texfilt Grease Collector Filters

Specification grease collector filter



A= Width

B= Height

C= Depth

Please order in the following sequence: Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Airflow m^3/h
287x287x20	320
287x490x20	510
287x592x20	610
290x595x20	620
305x610x20	670
392x492x20	710
492x492x20	880
492x592x20	1040
590x590x20	1250
592x592x20	1260
595x595x20	1270
605x605x20	1310
610x610x20	1340
350x500x20	630
400x400x20	570
450x400x20	640
500x250x20	450
500x300x20	540
500x350x20	630
500x400x20	720
500x500x20	900
392x622x20	990
492x622x20	1180

Dimensions Widt xHeightx Depth mm	Airflow m^3/h
287x287x25	320
287x490x25	510
287x592x25	610
290x595x25	620
305x610x25	670
392x492x25	710
492x492x25	880
492x592x25	1040
590x590x25	1250
592x592x25	1260
595x595x25	1270
605x605x25	1310
610x610x25	1340
350x500x25	630
400x400x25	570
450x400x25	640
500x250x25	450
500x300x25	540
500x350x25	630
500x400x25	720
500x500x25	900
392x622x25	990
492x622x25	1180

Dimensions Widt xHeightx Depth mm	Airflow m^3/h
287x287x48	300
287x490x48	480
287x592x48	580
290x595x48	590
305x610x48	640
392x492x48	670
492x492x48	840
492x592x48	1010
590x590x48	1210
592x592x48	1230
595x595x48	1240
605x605x48	1280
610x610x48	1290
350x500x48	550
400x400x48	540
450x400x48	610
500x250x48	420
500x300x48	510
500x350x48	550
500x400x48	690
500x500x48	870
392x622x48	960
492x622x48	1150

Special sizes on request

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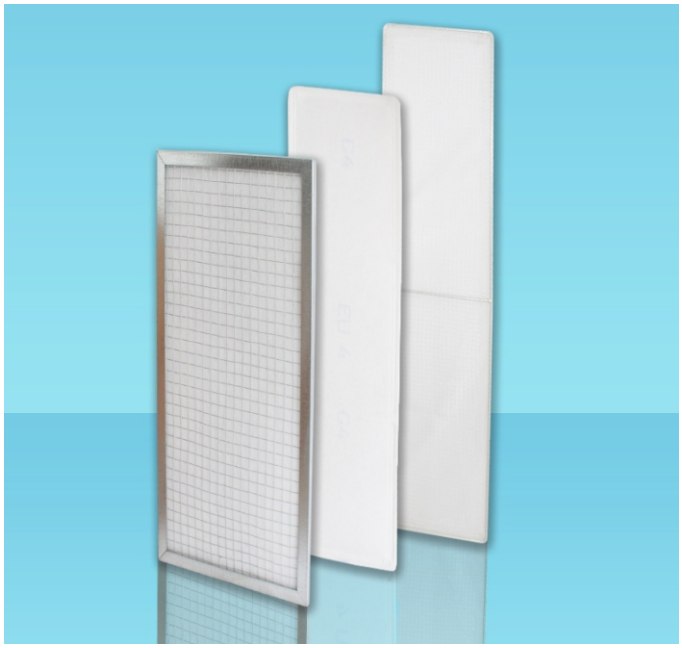
TEXFILT FAN COIL FILTERS

G 2 EN 779	EU 2 DIN 24 185	G 3 EN 779	EU 3 DIN 24 185	G 4 EN 779	EU 4 DIN 24 185



- Tested according to EN 779
- Light and robust
- Available in wide variety of sizes
- Low pressure drop
- Regenerable version
- Long service life

The application

Texfilt Fan-Coil filters are designed for prevention of dust and dirt build up on heating/cooling coils within ventilation systems. A wide range of filter elements is available fitted for all kinds of Fan-Coil equipment.For the most part Fan-Coil filter elements are used with mini- air conditioners and air curtain systems.
Filters are available in standard and custom-made sizes.

Features

Fan-coil filter cassettes

Self-rugged construction made of single-layer filter media, which is bordered into a frame made of galvanised plate with a wired supporting grid.

Sewed fan-coil filter

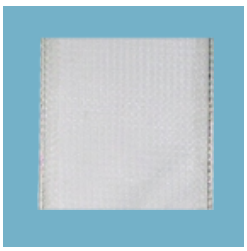
Filtermedium i sewed onto a wired frame.

Fan-coil filter tube

Two plies filter tube which is pulled over a wired frame made of galvanised steel or stainless steel. The frame is consistently usable several times.The sewed filter tube is available custom-tailored to desired dimensions or endlessly wound in rolls.

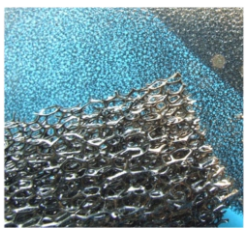
Synthetic Polyester

The filters are made of high performance nonwovens produced from break-resistant polyester fibers with thermal bonding.



Nylon Mesh

Monofilament filter fabrics are ideal materials for fan coil filters. Monofilament means that each thread used in the construction of the cloth is a single smooth solid strand. It is easy to regenerate.

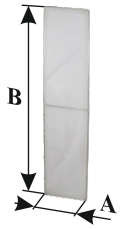


Reticulated Polyurethane Foam

The foam filter is ideal for many filtration applications. It is completely safe to handle. It is non-allergenic, non-toxic and resistant to most common detergents and solvents.

Standard sizes for Texfilt Fan Coil filters

Sewed Fan-coil Filter

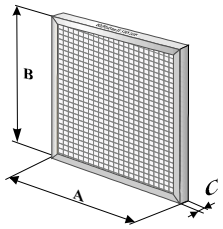


A= Width

B= Height

Please order in the following sequence:
Width x Height

Specification Fan-coil Filtercassette



A= Width

B= Height

C= Depth

Please order in the following sequence:
Width x Height x Depth

Sewed Fan-coil Filters

Dimensions Widt xHeight mm	Filter Area m^2
174x 650	0.11
174x 850	0.15
174x1050	0.18
174x1250	0.22
174x1450	0.25
185x 444	0.08
185x 595	0.11
185x 795	0.15
185x 995	0.18
185x1195	0.22
210x 465	0.10
210x 665	0.14
210x 865	0.18
210x1065	0.23
225x 465	0.10
225x 665	0.15
225x 865	0.19
225x1065	0.24

Fan-coil Filter Cassettes

Dimensions Widt xHeightx Depth mm	Filter Area m^2
174x 650x10	0.11
174x 850x10	0.15
174x1050x10	0.18
174x1250x10	0.22
174x1450x10	0.25
185x 444x10	0.08
185x 595x10	0.11
185x 795x10	0.15
185x 995x10	0.18
185x1195x10	0.22
210x 465x10	0.10
210x 665x10	0.14
210x 865x10	0.18
210x1065x10	0.23
225x 465x10	0.10
225x 665x10	0.15
225x 865x10	0.19
225x1065x10	0.24

Special sizes on request

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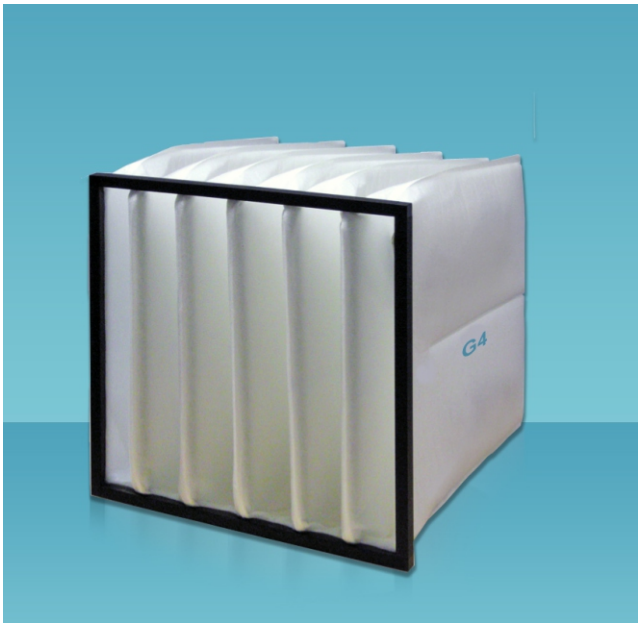
TEXFILT PRE POCKET FILTERS

G 3 EN 779	EU 3 DIN 24 185	G 4 EN 779	EU 4 DIN 24 185	F 5 EN 779	EU 5 DIN 24 185



- Tested according to EN 779
- Shatter-proof synthetic fibres
- High self-rigidity
- Contains no silicone or other lacquer harming substances
- High dust holding capacity
- Long service life

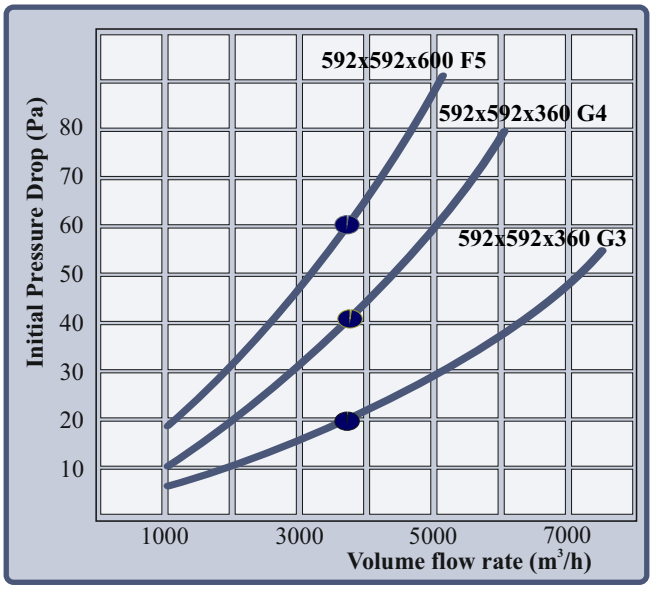
The application

PRE pocket filters are used for supply, exhaust and circulating air filtration in air-conditioning applications, for ventilating machine rooms and production area, for exhaust and circulating air filtration in paint shops.
As prefilters upstream of fine and ultra-fine filters in industrial processes (metal-working, chemicals, pharmaceuticals, foodstuffs, optics, electronics, etc.), in ventilation/airconditioning engineering, in paint shops and spray booths and in turbomachinery.

Material characteristics

The media are progressively structured, i.e. fibre layers arranged in line with the density increasing towards the clean air side, thus ensuring an optimized combination of defined filtration performance and dust holding capacity. The result: low pressure drop, long useful life, high costefficiency
All pocket filters are glassfibre-free, noncorroding, moisture-resistant up to 100% rel. Humidity, and self-extinguishing to DIN 53438 (Fire Class F1).

Inital Pressure Drop Curves



Technical filtertest data in accordance with EN 779

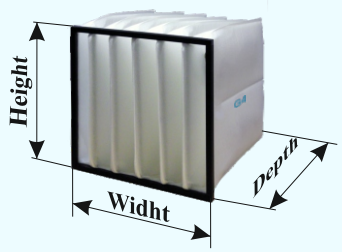
Filter class (EN 779)		G 3	G 4	F 5
Tested size		**592x592x360**	**592x592x360**	**592x592x600**
Average arrestance A_a	%	86	95	97
Initial efficiency E_i	%	>20	>20	50
Volume flow rate	m^3/h	3400	3400	3400
Initial pressure drop	Pa	20	38	61
Recommended final pressure drop	Pa	300	300	300
Dust holding capacity	g	1100	1085	805

Standard sizes for Texfilt PRE pocket filters

Dimensions Widt xHeightx Depth mm	Number of Pockets	Filter Area m^2
592x592x200	6	1.5
592x592x300	6	2.4
592x592x360	6	2.7
592x592x500	6	3.9
592x592x600	6	4.5
490x592x200	5	1.3
490x592x300	5	1.9
490x592x360	5	2.3
490x592x500	5	3.2
490x592x600	5	3.8
592x490x200	6	1.5
592x490x300	6	2.1
592x490x360	6	2.5
592x490x500	6	3.4
592x490x600	6	4.0
287x592x200	3	0.8
287x592x300	3	1.2
287x592x360	3	1.4
287x592x500	3	1.9
287x592x600	3	2.3
592x287x200	6	0.9
592x287x300	6	1.2
592x287x360	6	1.4
592x287x500	6	2.0
592x287x600	6	2.2
287x287x200	3	0.4
287x287x300	3	0.5
287x287x360	3	0.7
287x287x500	3	1.0
287x287x600	3	1.1

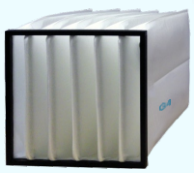
Special sizes on request

Specification pocket filter



Please order in the following sequence: Width x Height x Depth

Assembly instruction for correct installation



Correct Installation!
Pockets stand vertically

Incorrect Installation!
Pockets lie horizontally! Pockets below running risk of absorbing condensed water

C L E A N A I R W I T H F U L F I L T E R

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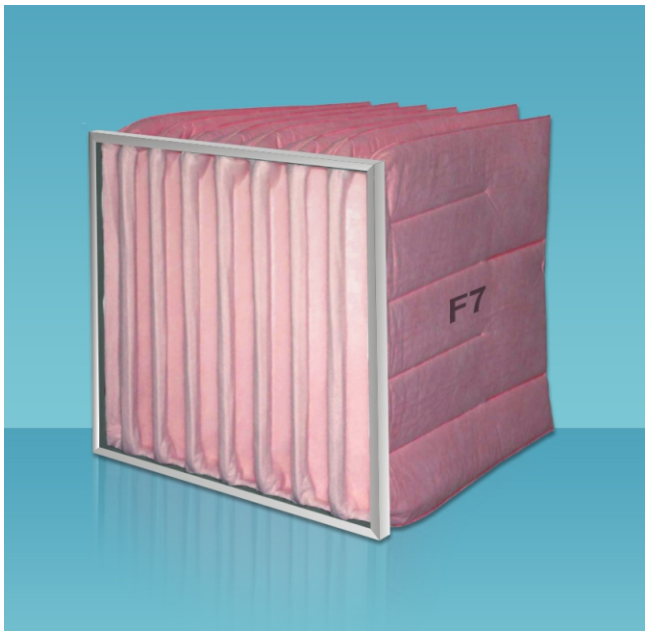
TEXFILT FN POCKET FILTERS

F 6	EU 6	F 7	EU 7	F 8	EU 8	F 9	EU 9
EN 779	DIN 24 185	EN 779	DIN 24 185	EN 779	DIN 24 185	EN 779	DIN 24 185



- Tested according to EN 779
- Filter classes F6-F9
- Shatter-proof synthetic fibres
- Contains no silicone or other lacquer harming substances
- High dust holding capacity
- Long service life

The application

FN pocket filters are used for supply, exhaust and circulating air filtration in ventilation systems for fine filtration.

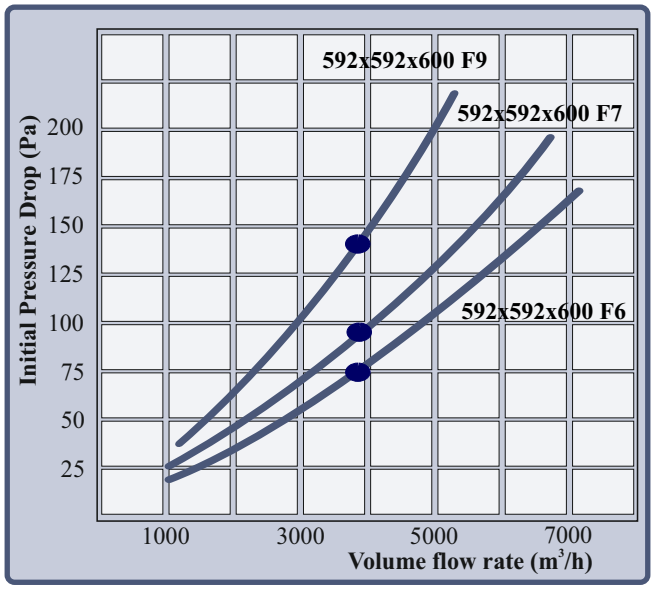
Such as in high-performance air-conditioning systems (hospitals, laboratories, libraries, museums, airports, office buildings etc.), in industrial processes (chemicals, pharmaceuticals, food-stuffs, optics, electronics, surface treatment, etc.),as prefilters for HEPA filters, as downstream „policing filters" in dust removal applications.

Material characteristics

FN filters are made of high quality synthetic media. The media are progressively structured, i.e. fibre layers arranged in line with the density increasing towards the clean air side. The result: low pressure drop, long useful life, high cost efficiency.

All pocket filters are glassfibre-free, noncorroding, moisture-resistant up to 100% rel. Humidity, and self-extinguishing to DIN 53438 (Fire Class F1).

Inital Pressure Drop Curves



Technical filtertest data in accordance with EN 779

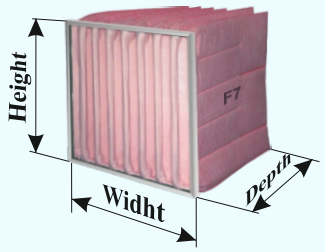
Filter class (EN 779)		F 6	F 7	F 8	F 9
Tested size	mm	**592x592x600**	**592x592x600**	**592x592x600**	**592x592x600**
Average arrestance A_a	%	>99	>99	>99	>99
Average efficiency E_a	%	60-65	80-85	90-95	>95
Volume flow rate	m^3/h	3400	3400	3400	3400
Initial pressure drop	Pa	75	90	120	135
Recommended final pressure drop	Pa	450	450	450	450
Dust holding capacity	g	588	550	500	445

Standard sizes for Texfilt FN pocket filters

Dimensions Widt xHeightx Depth mm	Number of Pockets	Filter Area m^2
592x592x360	8	3.9
592x592x380	10	4.8
592x592x500	8	5.4
592x592x600	8	6.5
592x592x635	10	7.6
490x592x360	6	2.9
490x592x380	8	3.8
490x592x500	6	4.1
490x592x600	6	4.8
490x592x635	8	6.1
592x490x360	8	3.2
592x490x380	10	4.2
592x490x500	8	4.4
592x490x600	8	5.2
592x490x635	10	6.8
287x592x360	4	2.0
287x592x380	5	2.4
287x592x500	4	2.7
287x592x600	4	3.2
287x592x635	5	3.8
592x287x360	8	2.0
592x287x380	10	2.5
592x287x500	8	2.7
592x287x600	8	3.2
592x287x635	10	4.1
287x287x360	4	1.0
287x287x380	5	1.3
287x287x500	4	1.3
287x287x600	4	1.6
287x287x635	5	2.0

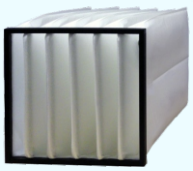
Special sizes on request

Specification pocket filter



Please order in the following sequence: Width x Height x Depth

Assembly instruction for correct installation



Correct Installation!
Pockets stand vertically

Incorrect Installation!
Pockets lie horizontally! Pockets below running risk of absorbing condensed water

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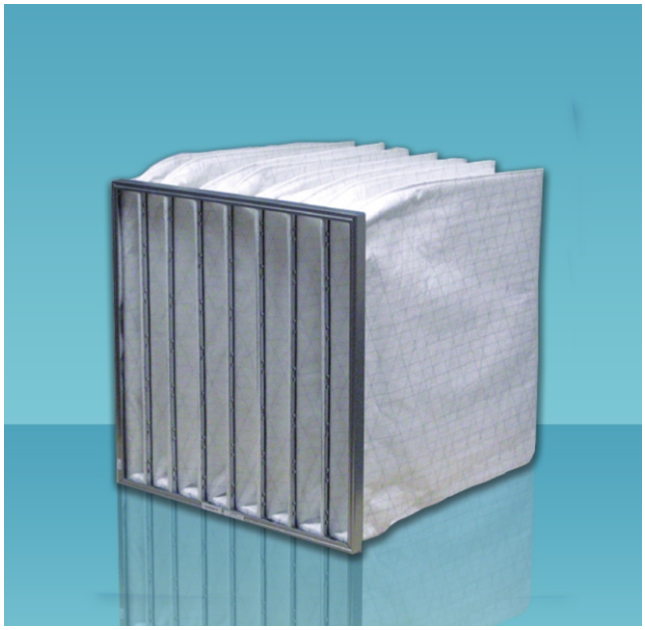
TEXFILT EX POCKET FILTERS

- Technical filter check conducted by TÜV
- Tested according to EN 779
- Filter classes G4-F9
- Shatter-proof synthetic fibres
- High dust holding capacity
- Long service life



The application

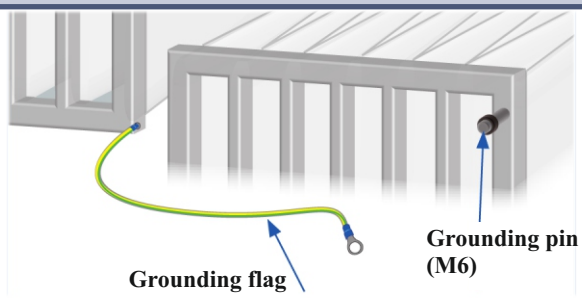
Combustible atmospheres (mixtures from air and burnable gases or steams).

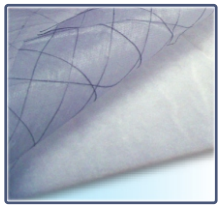
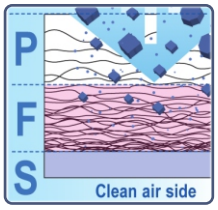
Application for Gas-Ex-Protection

Application for zones 1 and 2 also 21 or 22

The Ex-Protect-Filter was tested according to following norms: EN 1127-1, BGR 132/CENELEC Report R 044-001, EN 13463-1 und EN 15198

Earthing versions



Special texture	Conform to ATEX-guideline	3-layer filter media
		
Electroconductiv media with integrated metalclutch	-No filter charging -Declaration of manufacturer is deliveredwith each filter	-P: Pre filter grade -F: Fine filter grade -S: Synthetic layer on clean air side for stabilization

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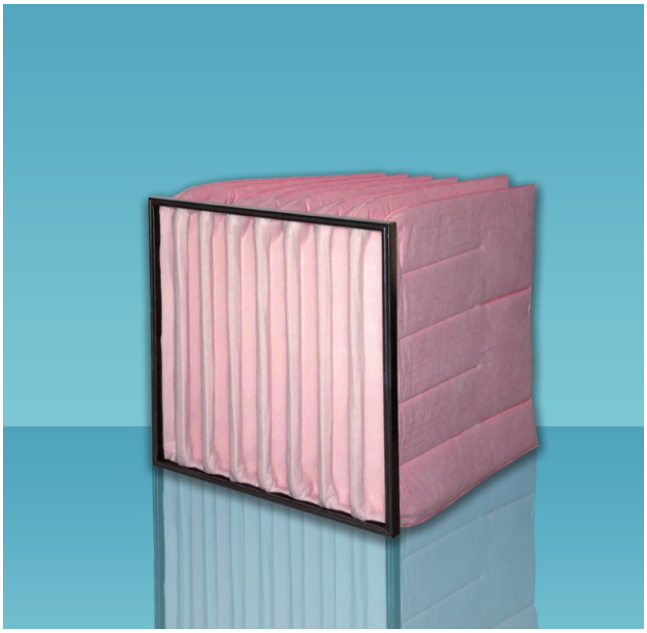
TEXFILT BIOSTAT POCKET FILTERS



- Active ingredient prevents growth of bacterials
- Tested according to EN 779
- Filter classes F5-F9
- Shatter-proof synthetic fibres
- High dust holding capacity
- Long service life

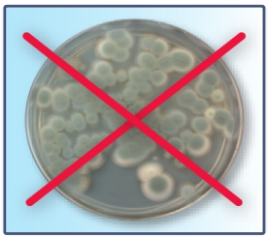
The application

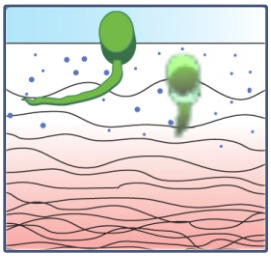
For the supply air and circulating air filtration in air conditioning plants like offices and production plants

Requirements with high hygienic demands

Requirements to fulfil VDI 6022.

For high humidity and demanding environmental requirements.

No growth of bacterials

▪ Bacterials, mildew, barm and fungus are prevented from growing and spreading - risk of filter being a source of contamination is reduced.

Biostatic equipment	Efficiency- and sustainability certificate
	
The active ingredient is located within synthetic fibres and is no biocide. -The active ingredient prevents growth of bacterials during complete product life ofthe filter. -The active ingredient is safe for appliance and is not released by the filters.	- Efficiency tested during a 12 months testing period. -Certificate shows biostatic efficiency and sustainability according to DAB. -Certification through ATW-IVENSYS Gmb and SAS Hagmann

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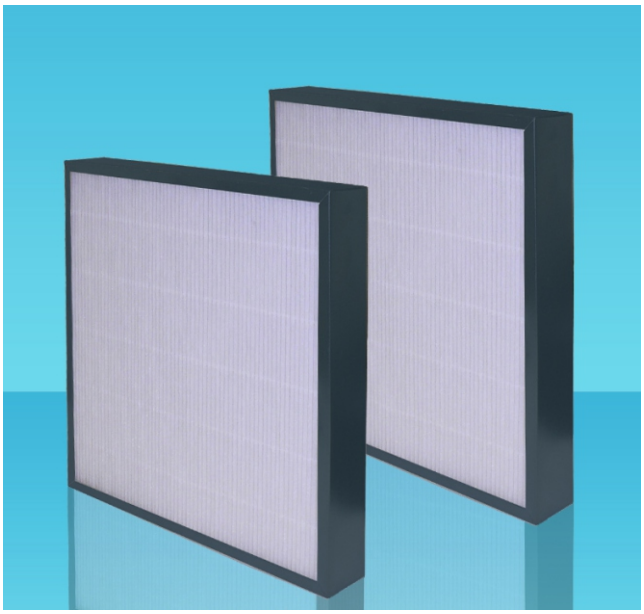
TEXFILT HE CASSETTE FILTERS

F 5 EN 779	EU 5 DIN 24 185	F 6 EN 779	EU 6 DIN 24 185	F 7 EN 779	EU 7 DIN 24 185	F 8 EN 779	EU 8 DIN 24 185	F 9 EN 779	EU 9 DIN 24 185

- Tested according to EN 779
- High performance fleece
- Extremley stable welded casing
- Big filter area in small required space
- High dust holding capacity
- Long service life



The application

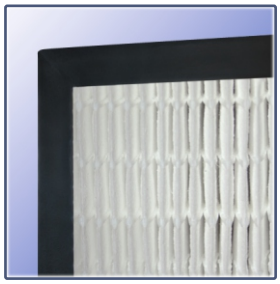
Texfilt HE cassette filters offer operational reliability and costefficiency for supply, exhaust and recirculated air filtration in ventilation systems which have stringent requirements for clean air quality, particularly under critical on-site conditions, high air flow rates, where space is limited.. They ensure clean, efficiently conditioned air in office buildings, production halls, airports, libraries, museums, laboratories, hospitals, and care facilities, etc. In sensitive applications for pharmaceuticals,chemicals, optics, electronics, and in operating theatres and intensive-care units, etc.

The characteristics

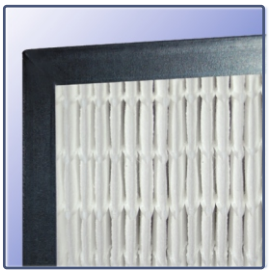
High-strength micro-glassfiber papers with a special thermoplastic bonding system are used as filter media. The leak-proof casting of the dimensionally stable pleat pack in the distortion-resistant plastic frame results in outstanding bursting strength as well as high security against dust penetration.

The frame materials and filter media are self-extinguishing in conformity with DIN 53438 (Fire Class F1).

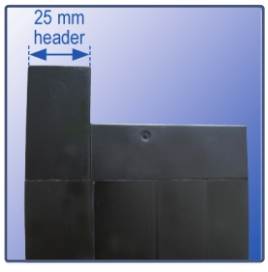
Frame types Texfilt HE Cassette Filters



metal frame



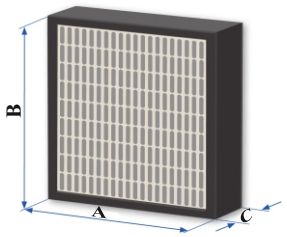
plastic frame



plastic frame and header (only in 96mm)

Technical filtertest data and standard sizes for Texfilt HE Cassette filters

Specification cassette filter



A= Width

B= Height

C= Depth

Please order in the following sequence:
Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Filter class	Filter Area m^2	Nominal air flow rate m^3/h	Initial ΔP Pa	Recommended final ΔP Pa
592x592x48	F5	5,5	2500	70	450
490x592x48		4,5	2075	70	450
287x592x48		2,75	1250	70	450
592x592x48	F6	5,5	2500	90	450
490x592x48		4,5	2075	90	450
287x592x48		2,75	1250	90	450
592x592x48	F7	5,5	2500	110	450
490x592x48		4,5	2075	110	450
287x592x48		2,75	1250	110	450
592x592x48	F8	5,5	2500	150	450
490x592x48		4,5	2075	150	450
287x592x48		2,75	1250	150	450
592x592x48	F9	5,5	2500	170	450
490x592x48		4,5	2075	170	450
287x592x48		2,75	1250	170	450
592x592x96	F5	7,5	3400	70	450
490x592x96		6	2800	70	450
287x592x96		3,5	1700	70	450
592x592x96	F6	7,5	3400	90	450
490x592x96		6	2800	90	450
287x592x96		3,5	1700	90	450
592x592x96	F7	7,5	3400	110	450
490x592x96		6	2800	110	450
287x592x96		3,5	1700	110	450
592x592x96	F8	7,5	3400	150	450
490x592x96		6	2800	150	450
287x592x96		3,5	1700	150	450
592x592x96	F9	7,5	3400	170	450
490x592x96		6	2800	170	450
287x592x96		3,5	1700	170	450

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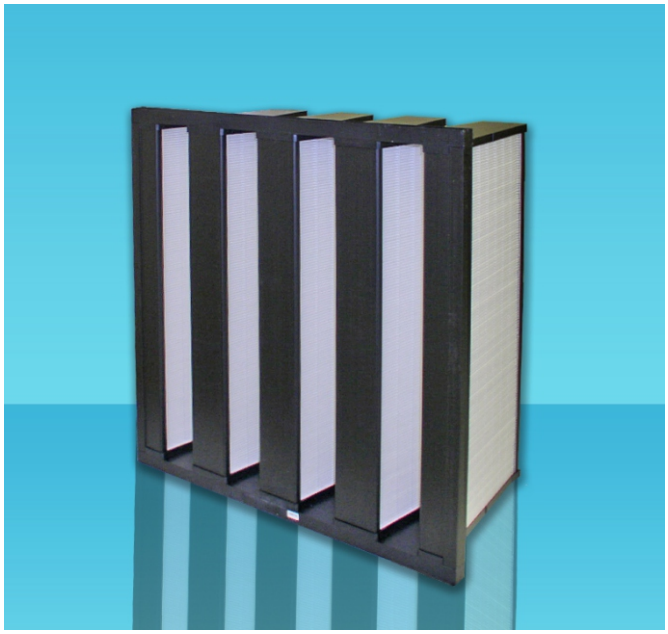
TEXFILT COMPACT FILTER

F 6 EN 779	EU 6 DIN 24 185	F 7 EN 779	EU 7 DIN 24 185	F 8 EN 779	EU 8 DIN 24 185	F 9 EN 779	EU 9 DIN 24 185



- Tested according to EN 779
- High performance fleece
- Extremley stable welded casing
- Big filter area in small required space
- High dust holding capacity
- Long service life

The application

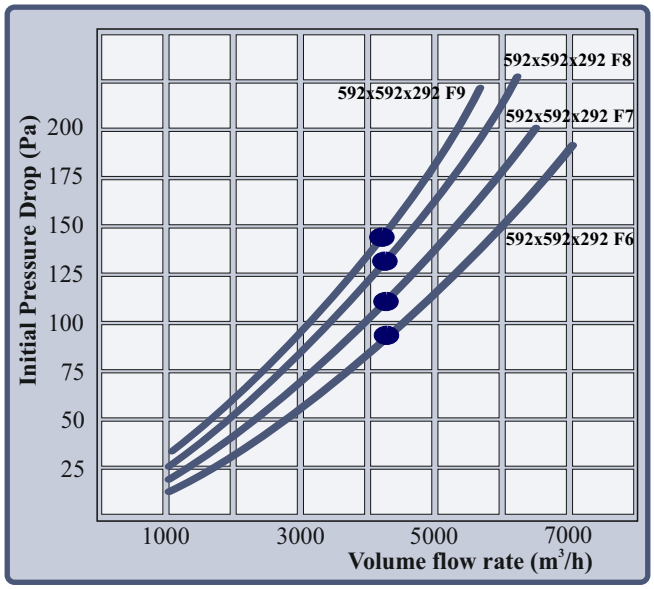
Texfilt Compact filters have been developed for intake, exhaust and recirculated air filtration . They ensure clean, efficiently conditioned air in office buildings, production halls, airports, libraries, museums, laboratories, hospitals, and care facilities, etc. In sensitive applications for the food andbeverage industries, pharmaceuticals,chemicals, optics, electronics, and in operating theatres and intensive-care units, etc.

The characteristics

Compact filters are constructed for simple handling at installation. The pleated filter media, cast in a tough plastic frame in a leakproof configuration, are exceptionally sturdy. The entire filter element is non-corroding, and fully incinerable, since it contains no metal parts. The frame consists of halogen-free plastic.

The frame materials and filter media are self-extinguishing in conformity with DIN 53438 (Fire Class F1).

Inital Pressure Drop Curves

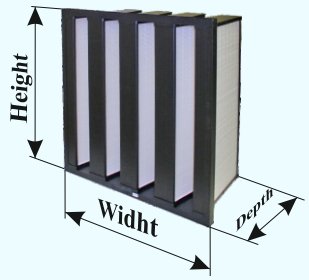


Technical filtertest data in accordance with EN 779

Filter class (EN 779)		F 6	F 7	F 8	F 9
Tested size	mm	**592x592x292**	**592x592x292**	**592x592x292**	**592x592x292**
Average efficiency (E_a) (0.4 µm)	%	60-65	80-90	90-95	>95
Volume flow rate	m^3/h	4250	4250	4250	4250
Initial pressure drop	Pa	95	110	130	140
Recommended final pressure drop	Pa	450	450	450	450
Thermal stability/ temporary peaks	°C	70/80	70/80	70/80	70/80

Standard sizes for Texfilt Compact filters

Specification compact filter



Please order in the following sequence: Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Filter class	Filter Area m^2	Nominal air flow rate m^3/h	Initial ΔP Pa	Recommended final ΔP Pa
592x592x292	F6	18.0	4250	95	450
490x592x292		14.5	3500	95	450
287x592x292		7.5	2000	95	450
592x592x292	F7	18.0	4250	110	450
490x592x292		14.5	3500	110	450
287x592x292		7.5	2000	110	450
592x592x292	F8	18.0	4250	130	450
490x592x292		14.5	3500	130	450
287x592x292		7.5	2000	130	450
592x592x292	F9	18.0	4250	140	450
490x592x292		14.5	3500	140	450
287x592x292		7.5	2000	140	450

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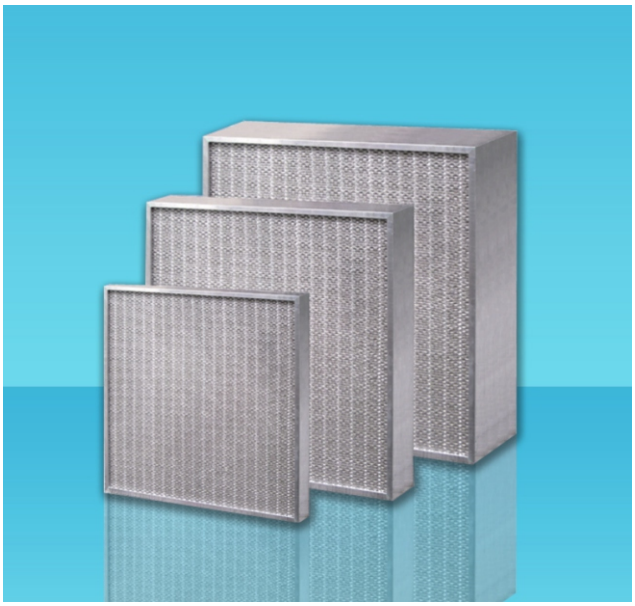
TEXFILT HIGH TEMPERATURE FILTERS

F 6 EN 779	EU 6 DIN 24 185	F 8 EN 779	EU 8 DIN 24 185

- Temperature resistant up to 230°C
- Glass fibre media
- Tested according to EN 779
- Contains no silicone or other lacquer harming substances
- Warp resistant frame
- Minipleat technology displacing aluminium separators



The application

The principal application for Texfilt High-Temperature Cassette Filters is air filtration for paint dryers in the automotive industry. The filters are mounted in the booth ceilings or in the side channels of the dryer ducts.

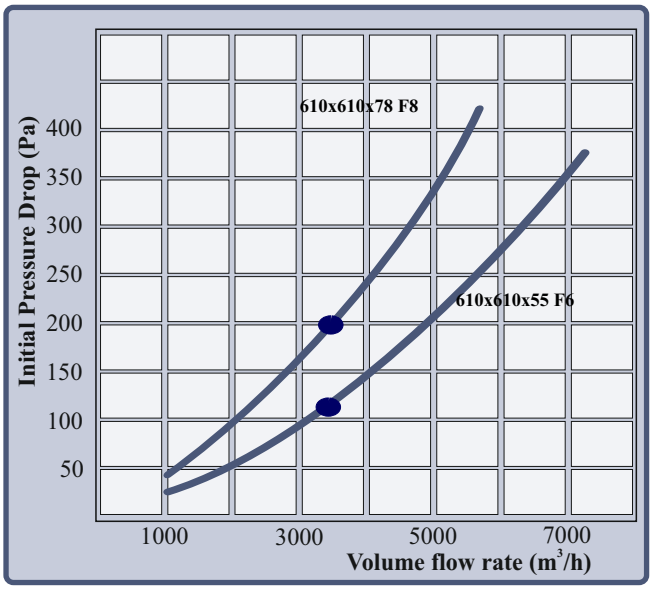
Besides the applications in surface treatment technology, the filters also meet the toughest of quality demands in general drying technology applications.

Versions

- Commercial standard sizes for frame depths of 22 mm, 40 mm, 55 mm, 78 mm and 150 mm.
- Clean air side and dust air side with protection against handling

Variant 1 - Standard protection grid:
Protection grid clean air = Steel (aluminized)
Protection grid dust air = Steel (galvanized)
Variant 2 - Premium protection grid:
Protection grid clean air = Stainless steel
Protection grid dust air = Aluminium

Inital Pressure Drop Curves

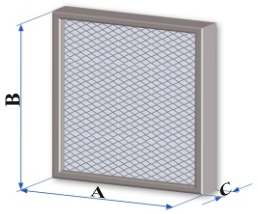


Technical filtertest data in accordance with EN 779

Filter class (EN 779)		F6	F 8
Tested size	mm	610x610x55	610x610x78
Average efficiency (E_a) (0.4 µm)	%	60-80	90-95
Volume flow rate	m^3/h	3400	3400
Initial pressure drop	Pa	110	200
Recommended final pressure drop	Pa	450	450
Thermal stability/ temporary peaks	°C	230/250	230/250

Standard sizes for Texfilt High Temperature filters

Specification high temperature filter



A= Width

B= Height

C= Depth

Please order in the following sequence:
Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Filter Area m^2
480x480x55	4,03
490x490x55	4,20
592x592x55	6,14
305x610x55	3,26
610x610x55	6,52
915x457x55	7,31

Dimensions Widt xHeightx Depth mm	Filter Area m^2
480x480x78	4,08
490x490x78	4,67
592x592x78	6,82
305x610x78	3,62
610x610x78	7,25
915x457x78	8,12

Dimensions Widt xHeightx Depth mm	Filter Area m^2
305x610x150	4,71
610x610x150	9,42
915x457x150	10,55

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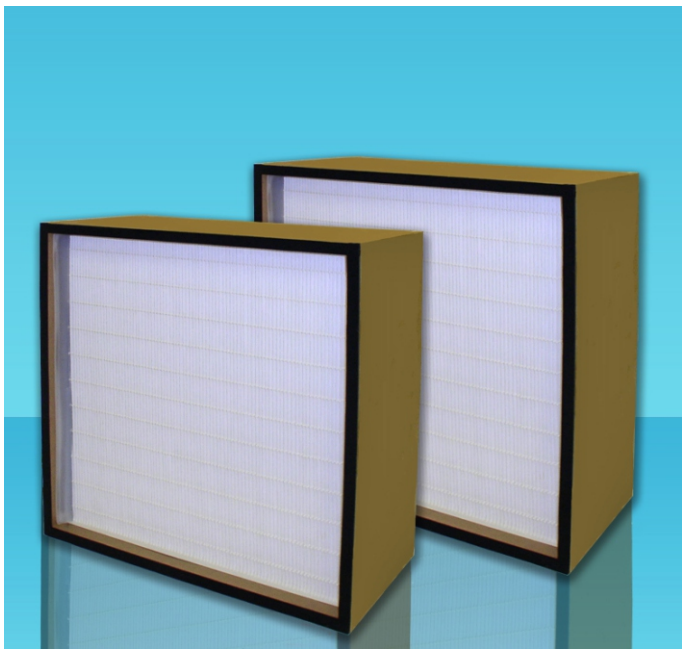
TEXFILT HEPA FILTERS H10-H14

H10 EN 1822	EU10 DIN 24183	H11 EN 1822	EU11 DIN 24183	H13 EN 1822	EU13 DIN 24183	H14 EN 1822	EU14 DIN 24183

- Tested according to EN 1822
- High filter efficiency
- Large surfaces
- Reduced pressure drop
- High dust holding capacity
- Long service life



The application

HEPA filters in Classes H10 to H13 are used for supply, exhaust and recirculated-airfiltration in ventilation systems with very stringen requirements for clean-air quality and sterility, e.g. in operating theatres and intensive-care units at hospitals, in cleanrooms, in highly sensitive industrial processes like electronics, pharmaceuticals, chemicals, cosmetics, optics, foodstuffs, precision engineering, in handling hazardous substances like carcinogenic dusts, asbestos disposal, heavy metals, in the nuclear industry and its research facilities.

Features

High-efficiency micro-glassfiber papers are used as filter media. The minipleat technique applied ensures flow-optimized geometry and equidistance of the pleats, and therefore homogeneous air passage at a very low pressure drop.

This results in remarkably economical and reliable operation as well as quasi-laminar downstream air flow.

Each filter element is tested for efficiency and integrity to EN 1822 with leadingedge scan test rig and supplied with the individual test certificate.

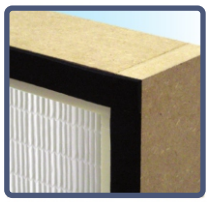
Frame types

-MDF frame
The frame consists of medium-density fiberboard and is fully incinerable.

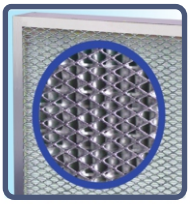
-Plastic frame
The frame consists of halogen-free plastic and is exceptionally distortion-resistant, moisture-resistant and fully incinerable.

-Galvanized steel frame
The frame is made of galvanized steel sheets. The extremely solid construction is moisture-resistant and offers high security against the growth of bacteria.

Extruded aluminium frame
The frame is made of extruded anodized aluminium. The sturdy construction is moisture-resistant and offers complete security against the growth of bacteria.



Gaskets for every application
-Standard: with flat section gasket,
-On demand with test groove gasket, fluid gasket or foamed continuous gasket available.



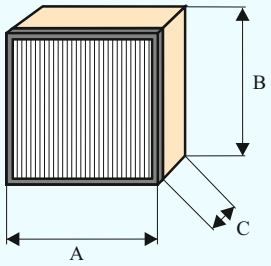
Protection grid
-Handle protection for secure installation on one side/ both sides on demand (avoids damage of glass fibre media).

Technical data for TEXFILT HEPA H10-H14 Filters

Filter class (EN 1822)		H10	H11	H12	H13
Filter miminum efficiency for MPPS (EN 1822)	%	≥ 85%	≥ 95%	≥ 99,5%	≥ 99.95 %
Recommended final pressure drop	Pa	600	600	600	600
Thermal stability	°C	up to 70 °C	up to 70 °C	up to 70 °C	up to 70 °C

Standard sizes for Texfilt HEPA H10-H14 Filters

Specification Hepa Filter



A= Width

B= Height

C= Depth

Please order in the following sequence: Width x Height x Depth

Dimensions Widt xHeightx Depth mm	Pleat Depth mm	H10 Volume flow rate at 125 Pa (m^3/h)	H11 Volume flow rate at 160 Pa (m^3/h)	H12 Volume flow rate at 220 Pa (m^3/h)	H13 Volume flow rate at 250 Pa (m^3/h)
305x305x78(69)	50	360	360	300	300
305x610x78(69)	50	720	720	600	600
457x457x78(69)	50	820	820	680	680
557x557x78(69)	50	1200	1200	1000	1000
575x575x78(69)	50	1320	1320	1100	1100
610x610x78(69)	50	1440	1440	1200	1200
305x305x150	100	420	420	325	325
305x610x150	100	900	900	700	700
457x457x150	100	1040	1040	800	800
557x557x150	100	1560	1560	1200	1200
575x575x150	100	1700	1700	1300	1300
610x610x150	100	2000	2000	1500	1500
305x305x292	200	525	525	450	450
305x610x292	200	1400	1400	1100	1100
457x457x292	200	1600	1600	1300	1300
557x557x292	200	2000	2000	1700	1700
575x575x292	200	2200	2200	1900	1900
610x610x292	200	3000	3000	2500	2500

Special sizes on request

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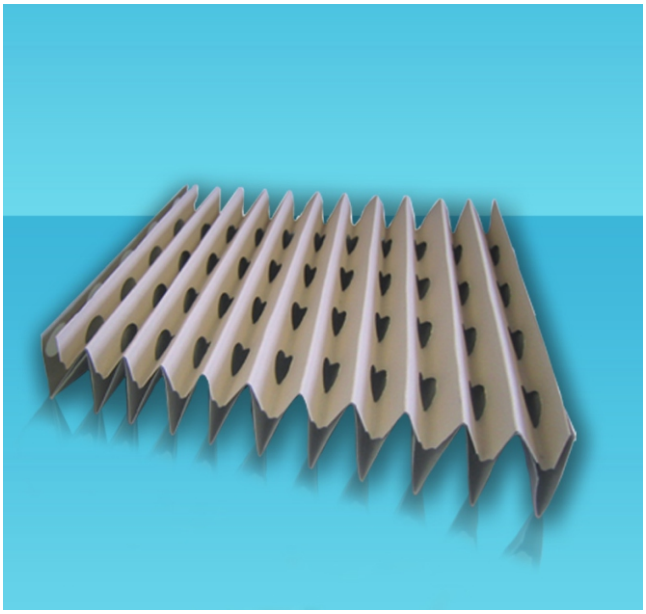
TEXFILT FULPAINT CARDBOARD FILTER

- Arrestance up to 98% (depending on used lacquer)
- Prevents overspray bounce back
- Self-rigid due to special pleating geometry and high-quality cardboard
- Humidity resistant up to 100% r. H.
- Temperature resistant up to 100°C



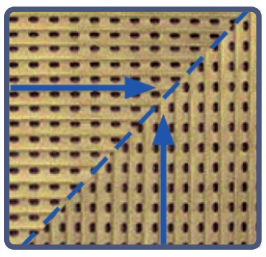
The application

For use in separation of ink mist in paint shops and colour spraying cabins.
For use in metal industry, furniture industry, plastic industry, automotive and food industry.
Prefiltration for "Paint-Stop" filter mats for extended durability.
For products like primer, primer surfacer, 2 component lacquer, polyester, wax, tar, glue, adhesive, teflon, polyurethane, silicone, chocolate.

Versions

Heights: 750 mm, 900 mm, 1000 mm
Optional: flame-retardant according to DIN 53438 (F1/K1)
Optional: water-repellent

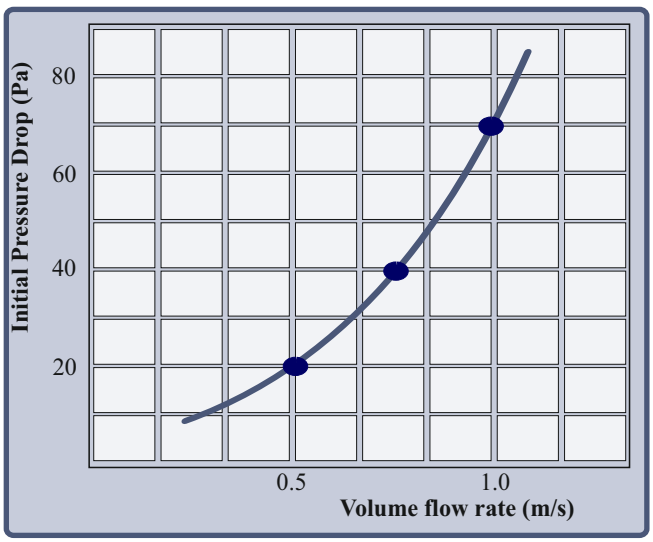
Ways of installation



Vertical and horizontal installation possible

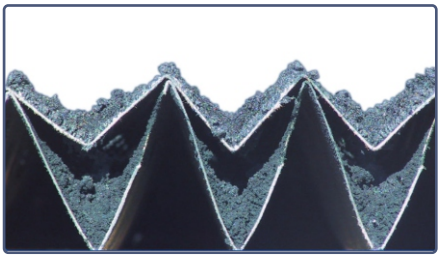
Can be combined with "Paint-stop"

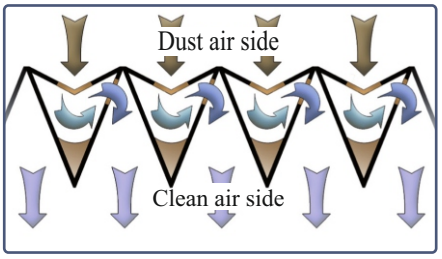
Inital Pressure Drop Curve

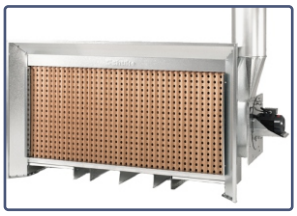


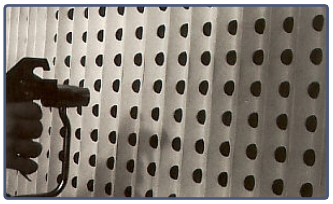
The functional principle of Fulpaint cardboard filter and application samples

Particle-loaded air flow must change its direction several times due to filter construction. Particles heavier than air stick to the walls of cardboard filter due to centrifugal forces, while cleaned air flow moves through outlets. Pleated construction offers minimum air resistance with a maximum capacity to store overspray.









Standard sizes for Texfilt Fulpaint filters

Height mm	Length mm	Filter area m^2	Initial pressure drop at 0,75 m/s Pa	Paint mist separation arrestance at 0.75 m/s %	Recommended final pressure drop Pa
750	13	10	40	91-98	130
900	11	10	40	91-98	130
1000	10	10	40	91-98	130

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TEXFILT INDUSTRIAL AIRFILTER BAGS

- Low emissions
- Trouble-free cleaning
- Lower energy costs
- Maximum performance with long service periods
- Simple handling
- Wide range of sizes

The application

Texfilt Air Filter Bags are suitable for all common cleaning systems regardless whether they are; Jet-pulse, Reverse-air, Shaker filter or other systems.

Typical examples are machining processes, pulverising mills, drying systems, spray-drying systems, mixing systems, or transport system for bulk solids and dust.

The characteristics

Ther filter media employed use the surface filtration technique and can be cleaned several times thereby regenerated.

Provided the dust collector is operated under optimal conditions, the filter media can achieve a long operational life with dust emission levels that are often far below the legally prescribed limits.

Types of design

Fulfilter produces optimised, custom-made filters in every dimensions and design. Depending on the particular filter and mounting system used, the components are selected from a range of heads sections and bottom parts.

Filtermedia - Fibres

Fibre type	Code	Temperature Cont./peak °C	Resistance to			
			Hydrolysis	Acid	Alkalis	Oxidation
Polyester	PES	150/150	1	3	2	3
Polypropilene	PP	90/100	4	4	4	2
Polyacrylnitrile	PAN	125/140	3	3	2	3
Polyester/polyacrylnitrile	PES/PAN	125/140	3	3	2	3
Meta aramid	MA	180/220	2	3	3	2
Polyphenylsulphide	PPS	190/210	4	4	3	1
Polyimide P84	P84	240/260	3	3	2	3
Glass	GL	250/280	3	3	3	4
Polytetrafluorethylene	PTFE	250/280	4	4	4	4

4 = excellent, 3 = good, 2 = moderate, 1 = poor

Application Samples

Aluminium Industry
Dust removal after the furnace

Temperature	125 °C
Gasflow	33 000 m³/h
Filter area	660 m²
Cleaning	jet
Dust content	20 g/m³
Emission	<5 mg/m³

Timber Industry
Dust removal in the sawmill

Temperature	40 °C
Gasflow	30 000 m³/h
Filter area	600 m²
Cleaning	jet
Dust content	100 g/m³
Emission	<20 mg/m³

Building Industry
Asphalt Production, Asphalt Mixing Machine

Temperature	125 °C/140 °C
Gasflow	80 000 m³/h
Filter area	712 m²
Cleaning	jet
Dust content	250 g/m³
Emission	<20 mg/m³

Incineration
Dust removal after waste incineration

Temperature	110 °C
Gasflow	42 000 m³/h
Filter area	850 m²
Cleaning	jet
Dust content	20 g/m³
Emission	<5 mg/m³

Steel Production
Dust removal after flame cutting

Temperature	60 °C
Gasflow	60 000 m³/h
Filter area	923 m²
Cleaning	jet
Dust content	10 g/m³
Emission	<10 mg/m³

Cement Industry
Dust Removal after lime-burning

Temperature	80-180 °C
Gasflow	120 000 m³/h
Filter area	1580 m²
Cleaning	jet
Dust content	10 g/m³
Emission	<5 mg/m³

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TEXFILT INDUSTRIAL LIQUID FILTER BAGS

- Superior Consistent Quality
- High performance efficiencies
- Traditional stitched form
- Handles enable faster bag change and installation
- Maximum purity
- Adaptable to Most Vessels

The application

Filter bags are manufactured for industrial processes and applications including:

Adhesive, beverage, chemical and petro-chemical, cosmetics and toiletries, cutting fluids and cooling water, dairy products, detergents, electronics, foods, lacquers, lubricants, oils, paints and powder coatings, pharmaceutical, water treatment etc.

The characteristics

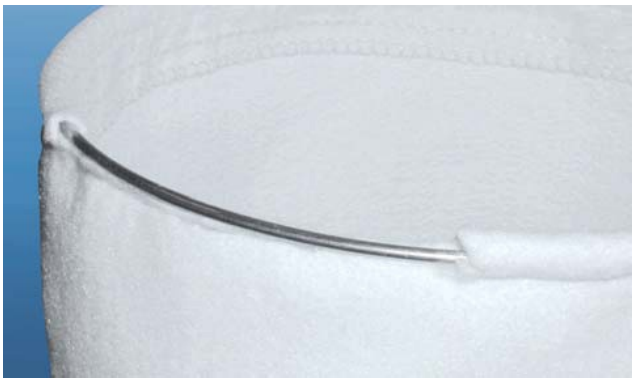
Fulfilter Ltd. manufactures high quality liquid filter bags to fit standard size filter vessels, as well as custom designed products where requested.

The constituent materials have been chosen for their purity, consistent high quality and repeatable performance. Filter bags are available in traditional stitched form, and are fitted with a comprehensive choice of rings.

Types of design

Fulfilter produces optimised, custom-made filters in every dimensions and design. Depending on the particular filter and mounting system used, the components are selected from a range of heads sections and bottom parts.

Cutaway showing SNAP-RING sewn into the bag



Filter Bag and Media Technical Data

Type	Material	Nominal Pore Size (micron)														Design	Filtration Type
		1	5	10	25	50	75	80	100	150	200	250	300	400	600	800	
TXPOT	Polypropylene needlefelt	●	●	●	●	●			●		●						Enforced Stitches	Depth
TXPES	Polyester needlefelt	●	●	●	●	●			●		●						Enforced Stitches	Depth
TXPA	Polyamid needlefelt		●	●	●	●			●								Enforced Stitches	Depth
TXNOM	Nomex needlefelt	●	●	●	●	●			●								Enforced Stitches	Depth
TXPOMO	Polypropylene monofilament								●	●	●		●	●	●	●	Enforced Stitches	Surface
TXPESMO	Polyester monofilament					●		●		●	●			●			Enforced Stitches	Surface
TXPESMU	Polyester multifilament								●	●	●		●	●	●	●	Enforced Stitches	Surface

Bag Size	Diameter (inches/mm)	Length (inches/mm)	Surface Are (m^2)	Volume (L)	Maximum Flow Rate (m^3/ hr)
1	7" /180mm	17" /435mm	0.25	11.0	20
2	7" /180mm	32" 810mm	0.50	20.5	40
3 (1M)	4" /180mm	9"230mm	0.07	1.9	6
4 (M)	4" /180mm	15"380mm	0.12	3.2	10

Flow rate depends on factors such as media type, micron rating, and fluid being filtered.

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