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FILTRAZIONE

FILTRAZIONE

TECNICA™

Efficient Indoor Air Project

EN

TECNICA™

Efficient Indoor Air Project

TECNICA srl
is a company certified
UNI EN 9001:2015
issued by TÜV ITALIA.
Certificate number 50100 15241

TECNICA™
Efficient Indoor Air Project

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fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

TECNICA™

Efficient Indoor Air Project

The words "**Efficient Indoor Air Project**" reflect the mission of **TECNICA™**: to develop products that are focused on preserve the health of people living in confined spaces and to environmental sustainability in its most complete sense.
The constant evolution of our products, as a result of our continuous Research and Development conducted on materials, technologies and production techniques, make us a leading company in the **production of flexible hoses, diffusers and filters** for the air conditioning and ventilation of confined spaces within **executive, commercial, residential, hotel, hospital, automotive and naval sectors.** The **FILTRATION** catalog collects all our filters and highlighting their technical peculiarities, their possible range of applications, the sanitization certifications and their contribution to the credits **of the main world sustainability ratings in construction: LEED, WELL and BREEAM.**

Welcome to TECNICA™ - Efficient Indoor Air Project

patented, sanitizing products, guaranteed and certified effectiveness for 10 years, which also contribute to the credits of the main world sustainability ratings in the building industry.

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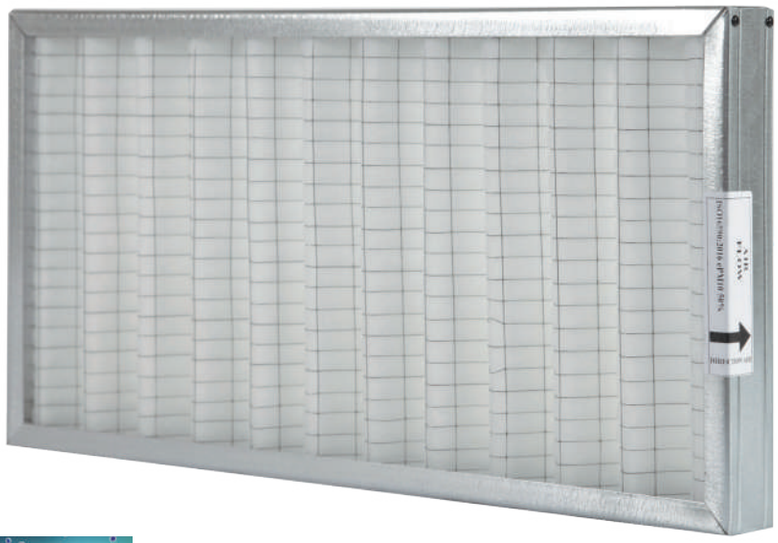
Sanitized Air

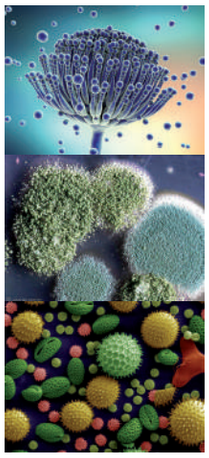
FiltraSan™ by TECNICA™

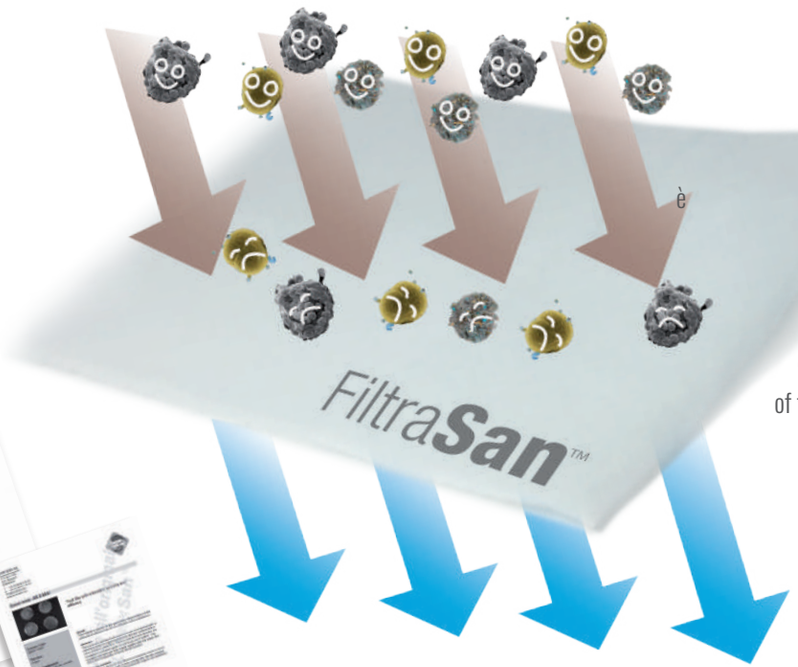


From TECNICA™ research in collaboration with **Sanitized®**, the line of **sanitizing filters** Filtra**San™** has been developed to prevent the proliferation of **bacteria** and **mold** in the aeraulic duct system.

Filtra**San™ sanitizing action** reduces the introduction of unhealthy air into confined spaces, **ensuring high standards of Indoor Air Quality**, as requested by the World Health Organization, reducing the arise or aggravation of respiratory diseases such as allergies, asthma, emphysema and chronic lung disease. **The sanitizing action of the** Filtra**San™ filters does not release chemicals that are harmful to health.**

NON-TOXIC





Why antibacterial filters?

FiltraSan™

Filtra**San™** it is a fiber that able to r**etains and to reduce the microorganisms** in the air. To the filtering function it adds the sanitizing function by eliminating the propagation in the aeraulic system of the **particles harmful to human health** for the duration of the filter.

NO BACTERIA NO MILDEW

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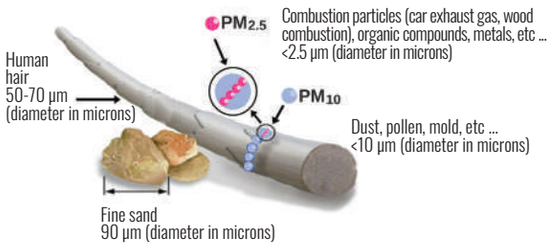
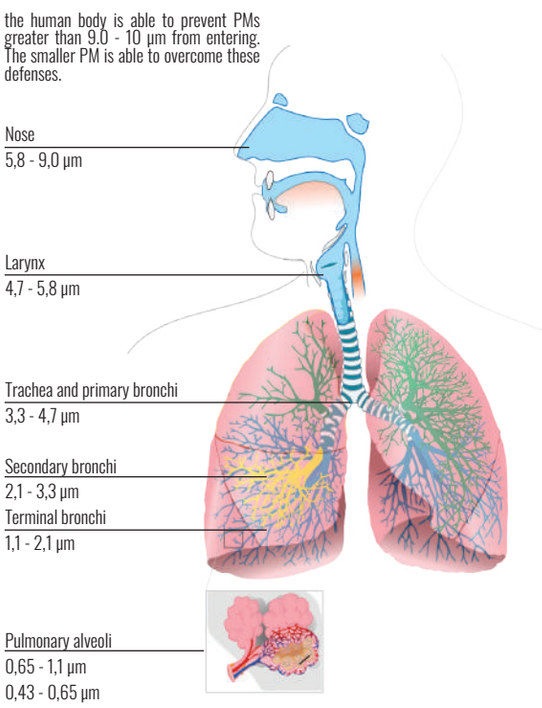
MAIN FEATURES OF THE ISO 16890 AIR FILTRATION STANDARD

ISO 16890 supplies a standardized process in classifying the air filters normally used in general ventilation, in other words, it represents a new method useful to gather **the HVAC depending on their performances**. EN779 tests the filters performances with only one particle dimension: 0.4 micron. The particulate matter (PM) is not unified in shape and dimension, for this reason, undergoing the filter to a test for just one particle dimension does not reflect the real conditions in which the filter will be used. The new **ISO 16890** standard is different because it focuses on the filters ability of imprisoning particles with different dimensions in dangerous areas where the particulate is too small for inner body protection. **ISO 16890** undergoes our filters to a test **with particles from 0.3 micron to 10 micron.** It means that the filters are tested in conditions really close to the real life, in order to offer a product, which will work following the expectations. The filters will be classified following their efficiency with **PM10, PM2,5 and PM1** which means PARTICULATE MATTER with a diameter lower than 10, 2.5 and 1 micron, respectively. These particles dimensions stand as starting point for the **4 categories ISO 16890: ePM1, ePM2,5, ePM10 and "COARSE"**. The "e" in the name of the group indicates the efficiency and the number refers to the PM dimension. In order to be adequate to each group, the filter must have an efficiency of 50% for that PM dimension. Therefore, a filter classified as ePM1 imprisons at least the half of PM1 residual used during the test. The filters, which will reach an efficiency lower than 50% for the PM10, will be classified with "COARSE". Once tested, the filters will obtain an efficiency level about to the 5% more or less. It will probably happen to find filters described, for example, with ePM10 70% and ePM2,5 95%. This means that the first filter has the 70% of efficiency with PM2,5 and the second product is efficient at 95% with ePM2,5. **ISO 16890 is in force only for general ventilation applications, for this reason, the filters with high efficiency classified following the EN1822, such as EPA, HEPA and ULPA filters will not be replaced with the new standard.**

Relative particle size (PM)





ISO 16890: PM 0,3 ÷ 10,0 µm	EN 779: only PM 0,4 µm
ePM_1	minimum efficiency ≥50%
$ePM_{2,5}$	minimum efficiency ≥50%
ePM_{10}	efficiency ≥50%
Coarse	efficiency ≥50%

GROUP	EQUIREMENTS			CLASS REPORTING VALUE
	ePM1, min	ePM2,5, min	ePM10, min	
ISO Coarse	—	—	<50%	Initial grav. Stop capacity
ISO ePM10	—	—	≥50%	ePM_{10}
ISO ePM2,5	—	≥50%	—	$ePM_{2,5}$
ISO ePM1	≥50%	—	—	ePM_1

When institutions such as the **World Health Organization discuss air pollution,** they often speak in terms of **PM10, PM2.5, PM1**, means particulates smaller than 10 µm, 2.2 µm and 1 µm respectively . There is a good reason for this: **humans are capable to prevent particles bigger than 10 µm from entering their body**. However, a particulate smaller than this can overcoming our defenses and its diffusion depends on its size. According to the WHO, air pollution is the greatest environmental risk for human health, causing over 3 million deaths worldwide every year. The list of **health damage** caused by **PM is constantly growing**, and includes cardiovascular disease, **cancer and childhood respiratory diseases.**

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Green building contribution

by TECNICA™

TECNICA ™ has focused on **sustainability** as a strategic lever of the company policy, promoting **product innovation** (materials, technologies and production techniques) and the **development of concrete actions**. We have evolved our approach to **resources**, increased the **circularity of the products** life cycle, developed new potentials, promoted awareness of concepts such as sustainability and transparency, and implemented actions for the specific **positioning of our products with respect to the main international sustainability ratings in construction: LEED, WELL and BREEAM.**

FRIENDLY CHEMISTRY

SUSTAINABILITY

RECYCLABILITY

SANITATION

NON-TOXIC

ENERGY EFFICIENCY

TECNICA™ Efficient Indoor Air Project

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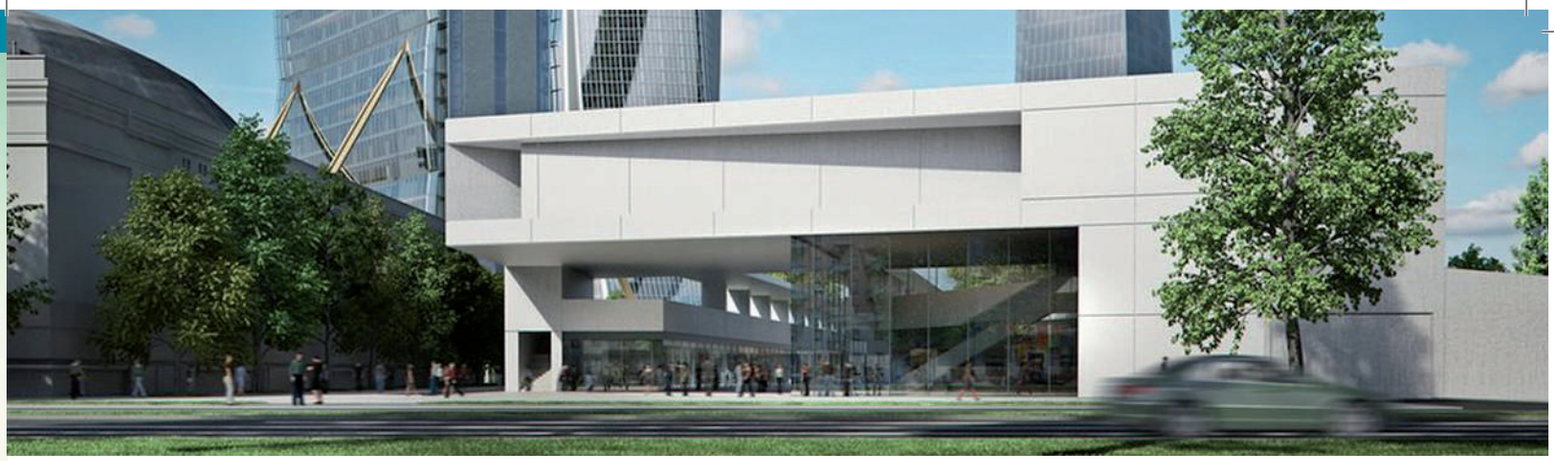

We have verified the contribution of our products and services to the LEED, WELL and BREEAM protocols, adopting the language of architects, designers, builders, investors and buyers, positioning our products according to the selection criteria adopted for the “final product” of the supply chain : the buildings.

LEED® (Leadership in Energy and Environmental Design)

It is a building assessment protocol that involves the entire life cycle of the building itself, from design to construction. Promotes a sustainability-oriented approach, recognizing the performance of buildings in key sectors, such as energy, water savings, reduction of CO_2 emissions, improvement of the ecological quality of the interiors, materials and resources used, the project and the choice of the site. Developed by the U.S. Green Building Council (USGBC), the system is based on the attribution of “credits” for each requirement.

WELL™

It is a building assessment protocol that focuses on the health and mental well-being of those who occupy a given built space. Considering the amount of time spent in closed environments, about 90% of a day, the WELL™ certification can be applied to all construction sectors and to all uses of buildings (residential, school, hospital, etc. ..) but finds its maximum expression especially in workplaces (offices, industries) in which the achievement of a serenity condition can have positive implications also on the productivity of the whole company.

BREEAM® (Building Research Establishment Environmental Assessment Method)

It is a building assessment protocol, established in the UK, which focuses on the environmental performance of buildings. BREEAM® is based on recognized assessment methods set according to pre-established reference parameters in order to verify the design process and the construction and use of the buildings. The criteria concern different categories, from resource management to ecology, and include aspects related to the use of energy and water, the internal environment (health and well-being), pollution, transport, materials, waste, ecology and management processes.

TECNICA™

Efficient Indoor Air Project

TECNICA™ is the first manufacturer of flexible hoses, diffusers and filters for air conditioning and ventilation to have carried out the verification of its products and highlighted their contribution to the certified sustainability credits accordint to the **LEED, WELL and BREEAM** protocols. **TECNICA™** policy for sustainability involves the entire economic supply-chain and contributes to the realization of products according to a **conscious use of primary resources**, promoting their circularity and guiding all interested users in the construction **supply chain to enhance the adoption of certified sustainability in construction processes** using products that concretely contribute to it.

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COMPLIANCE WITH THE PREREQUISITES AND CREDITS OF THE FOLLOWING BUILDING SUSTAINABILITY RATING SYSTEMS				
PRODUCT	PG.	LEED	WELL	BREEAM
KFF100	16	IP, EA, MR	MATERIALS, COMMUNITY, INNOVATION	MAN, WST
KFF125	18	IP, EA, MR	MATERIALS, COMMUNITY, INNOVATION	MAN, WST
KAF100	20	IP, EA, MR	MATERIALS, COMMUNITY, INNOVATION	MAN, WST
KAF150	22	IP, EA, MR	MATERIALS, COMMUNITY, INNOVATION	MAN, WST
KAF200	24	IP, EA, MR	MATERIALS, COMMUNITY, INNOVATION	MAN, WST
WF3	26	IP, EA, MR	AIR, MATERIALS, COMMUNITY, INNOVATION	MAN, WST
WF5	30	IP, EA, MR	AIR, MATERIALS, COMMUNITY, INNOVATION	MAN, WST
FILTRASAN POKET 14	34	IP, EA, MR	AIR, MATERIALS, COMMUNITY, INNOVATION	MAN, WST
FILTRASAN POKET 15	36	IP, EA, MR	AIR, MATERIALS, COMMUNITY, INNOVATION	MAN, WST
KF100	38	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KF100/R	40	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KF125	42	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KF125/R	44	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KC35	46	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KP20 R	48	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KP20 M	50	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KAT100	52	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KAT150	54	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KAT200	56	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
KAT500	58	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
KATVS-50	60	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
WZ3	62	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
WZ5	66	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
KMZ	70	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KMZ/A	72	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KMA	74	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KMX/RE	76	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KMX/CA	78	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
KMX/CA-STIR	80	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
WZZ/A	82	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
WZX	84	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
AC/V	86	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
AC/VA	88	IP, EA, MR	MATERIALS, COMMUNITY	MAN, WST
ACP	90	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
WC3	92	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
PCW	94	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POCKET 14TF	98	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POCKET 24TF	100	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POKET 15TF	102	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POKET 25TF	104	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POKET 16TF	106	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POKET 17TF	110	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POKET 18TF	114	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
SOFT POKET 19TF	118	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
ECO POCKET 16EP	122	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
ECO POCKET 17EP	126	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
ECO POCKET 18EP	130	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
ECO POCKET 19EP	134	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
POLI-PLEAT 16TR	138	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
POLI-PLEAT 17TR	140	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
POLI-PLEAT 18TR	142	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
POLI-PLEAT 19TR	144	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
GLASS-PLEAT 16GP	146	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
GLASS-PLEAT 17GP	148	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
GLASS-PLEAT 18GP	150	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
GLASS-PLEAT 19GP	152	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
PANNEL PLEAT 15PP	154	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
PANNEL PLEAT 17PP	156	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
PANNEL PLEAT 19PP	158	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
PANNEL/Z PLEAT 15PPZ	160	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
PANNEL/Z PLEAT 17PPZ	162	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
PANNEL/Z PLEAT 19PPZ	164	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
CARBO PIAS	166	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
KAT CARBON	168	IP, EA, MR	AIR, MATERIALS, COMMUNITY	MAN, WST
CARBO PLEAT	170	IP, EA, MR, IN	AIR, MATERIALS, COMMUNITY	MAN, WST
TC40	172	IP, MR	MATERIALS, COMMUNITY	MAN
AT100	178	IP, MR	MATERIALS, COMMUNITY	MAN
AT150	179	IP, MR	MATERIALS, COMMUNITY	MAN
AT200	180	IP, MR	AIR, MATERIALS, COMMUNITY	MAN
AT/BA200	181	IP, MR	MATERIALS, COMMUNITY	MAN

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TECNICA™

Efficient Indoor Air Project

TECNICA srl designs, produces and trades the items listed in this catalog by applying the highest quality standards.

The performances of the products depends on a correct and adequate choice and use.

TECNICA srl declines any responsibility for the improper use of the products and is not responsible for any damage that may result from incorrect use, malfunction, or product damage or incorrect interpretation of the information here given.

The warranty offered is limited to the possible replacement of the supplied material which should be found defective at the discretion of the general management, see also the supply conditions listed in this general catalog.

TECNICA srl reserves the right to modify the characteristics of the products listed in this catalog without prior notice.

FILTRATION

ANTIBACTERIAL AND ANTI-MYCOTIC FILTER CELLS AND FiltraSan™ FILTERS

SYNTHETIC FLAT FILTERS CELLS FOR FAN COILS

SYNTHETIC FLAT FILTER CELLS

SYNTHETIC PLEATED FILTER CELLS

METAL FLAT FILTERS CELLS

METAL PLEATED FILTERS CELLS

DISPOSABLE FLAT FILTER CELLS

DISPOSABLE PLEATED FILTER CELLS

SPARE PARTS FOR ROTARY FILTERS

SYNTHETIC FIBRE POCKET FILTERS SOFT POCKET

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SYNTHETIC FIBRE POCKET FILTERS

RIGID POCKET FILTERS (COMPLETELY INCENERABLE)

FILTER PANLES WITH PLASTIC FRAME

FILTER PANLES WITH STEEL FRAME

PURIFICATION

ADSORBENT FILTERS

FILTERING MEDIA

PRIMARY FILTRATION STAGE - INERTIAL COLLECTOR FOR PAINTS

PRIMARY FILTRATION STAGE - MULTILAYER PAINT COLLECTION FILTER

FILTERS WITH COALESCING EFFECTS

FILTERS ACCESSORIES AND SPARE PARTS

SYNTHETIC FILTERING MEDIAFILER

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FILTERING MEDIA IMPREGNATED WITH ACTIVE CARBONS

FILTERING MEDIA IN GLASS FIBRE

FILTERING MEDIA IN GLASS FIBRE FOR SPECIFIC APPLICATIONS

FILTERING MEDIA FOR HIGH TEMPERATURES

ABSOLUTE FILTERS

KFF100 FiltraSan™

Synthetic flat filter cell for fan coils with U-section galvanised steel support frame and double electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter in thermobonded staple fabric with a basis weight of 100 g/m2 and a thickness of 5-10 mm.

FiltraSan™ in collaboration with:

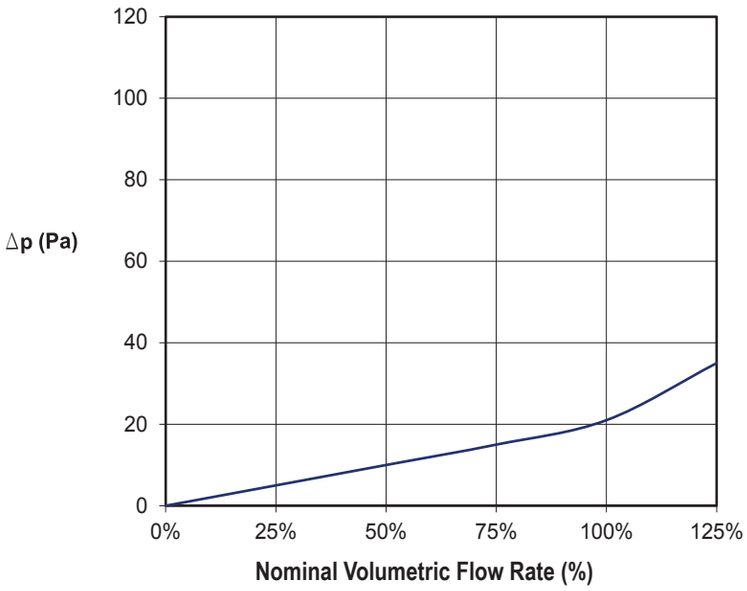
NO BACTERIA

NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	EN ISO 16890:2016 Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE REACTION class	class F1 - (DIN53438/3) class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART

Thickess (mm)	Width (mm)	Length (mm)
3-5-6-8-10	MIN 100 MAX 230	MIN 100 MAX 1600

PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	Mold resistant	Microorganism resistant	REACH certified	RoHS certified	Building	Air conditioning	CMV

On request*

KFF125 FiltraSan™

Synthetic flat filter cell for fan coils with support frame in 3mm-diameter drawn rod and wire mesh that supports the FiltraSan™ sanitizing filter in thermobonded staple fabric with a basis weight of 100 g/m2 and a thickness of 5-10 mm.

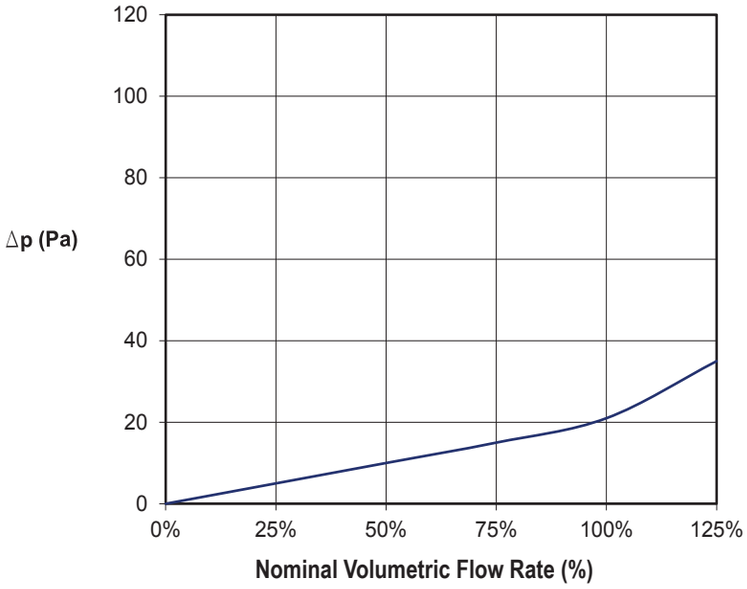
FiltraSan™ in collaboration with:

NO BACTERIA NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	Group ISO COARSE - (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE REACTION class	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART

Thickness (mm)	Width (mm)	Length (mm)
5	MIN 100 MAX 230	MIN 100 MAX 1600

PRESSURE DROP DIAGRAM
(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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Contributes to credits:
MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

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* On request

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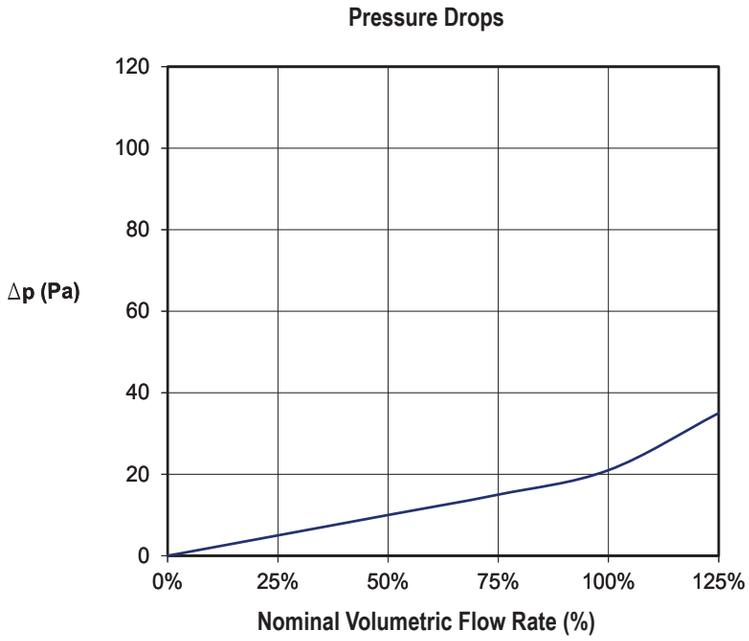
KAF100 FiltraSan™

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter fabric in AT100 series thermobonded synthetic polyester staple fibre with a basis weight of 100 g/m2 and a thickness of 8-10 mm.

FiltraSan™ in collaboration with: Sanitized Protection — NO BACTERIA — NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	Group ISO COARSE - (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE REACTION class	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101



SELECTION CHART

Length [mm]	Width [mm]	Standard thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
400	400	10	0,16	850
400	500		0,2	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	Mold resistant	Microorganism resistant	REACH certified	ROHS certified	Building	Air conditioning	CMV

*On request

KAF150 FiltraSan™

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter fabric in AT150 series thermobonded synthetic polyester staple fibre with a basis weight of 150 g/m2 and a thickness of 14-16 mm.

FiltraSan™ in collaboration with:

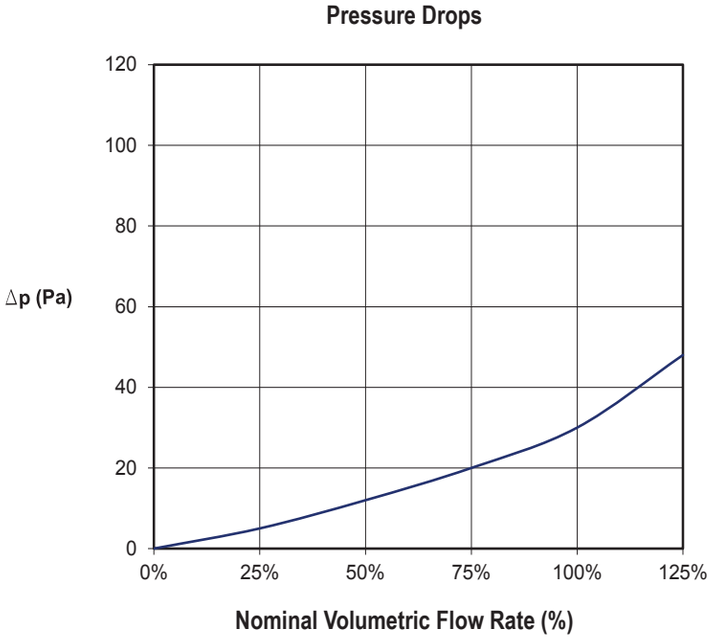
Sanitized Protection

NO BACTERIA

NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	Group ISO COARSE - (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	80%
FILTER FABRIC basic weight:	150gr/mq
THICKNESS	14-16 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	26
RECOMMENDED final pressure drop	250
MAXIMUM pressure drop	400
DUST collection capacity	235 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE REACTION class	class F1 - (DIN53438/3) class M1 - NF-F-16-101



SELECTION CHART

Length [mm]	Width [mm]	Standard thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
400	400	15	0,16	850
400	500		0,2	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	Mold resistant	Microorganism resistant	REACH certified	RoHS certified	Industry	Building
Air conditioning	CMV							

*On request

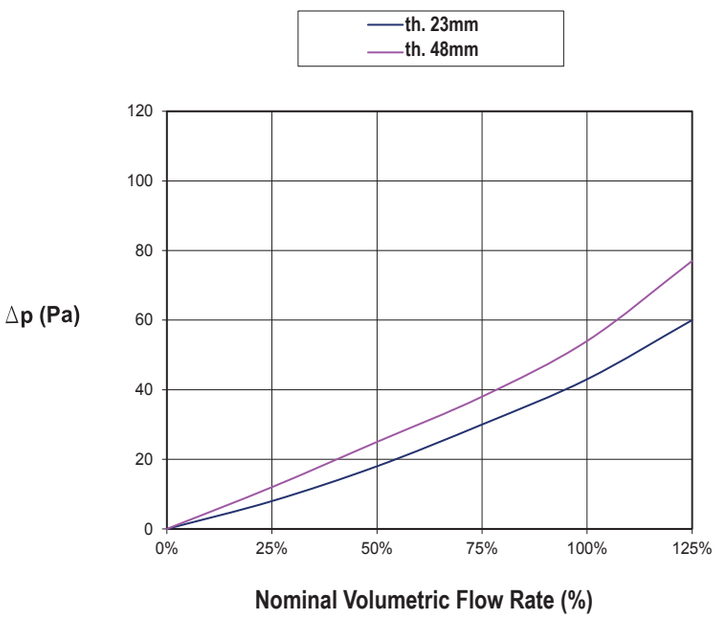
KAF200 FiltraSan™

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 20 mm.

FiltraSan™ in collaboration with: Sanitized Protection · NO BACTERIA · NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 50% - (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	20-22 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	43 Pa Th. 23mm
	54 Pa Th. 48mm
RECOMMENDED final pressure drop	250
MAXIMUM pressure drop	400
DUST collection capacity	351 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101



SELECTION CHART

Lenght [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
400	400	23 - 48	0,16	850
400	500		0,2	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY, INNOVATION

BREEAM

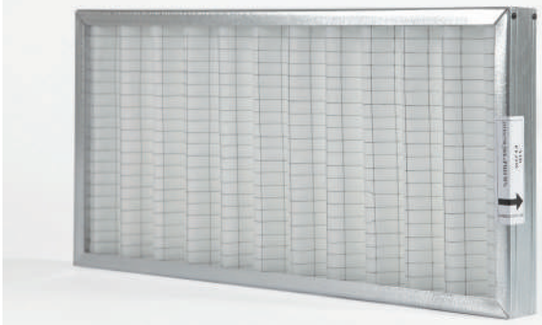
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	Mold resistant	Microorganism resistant	REACH certified	RoHS certified	Industry	Building
Air conditioning	CMV							

*On request



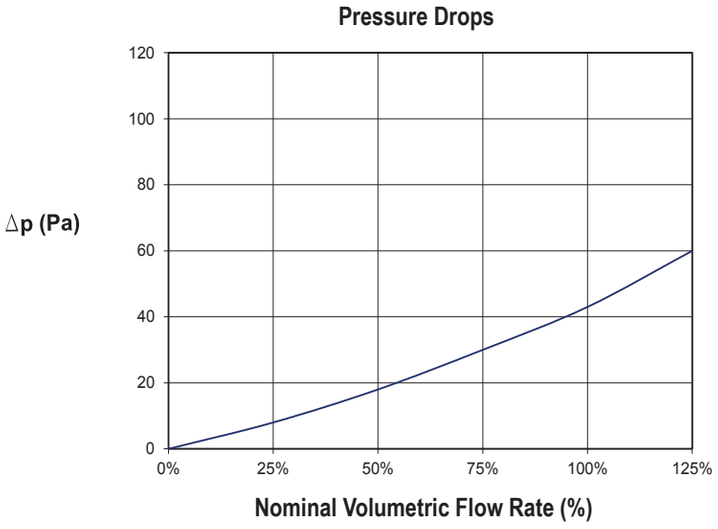
WF3 FiltraSan™

Pleated synthetic filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 20 mm.

FiltraSan™ in collaboration with:

NO BACTERIA NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	20-22 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	43 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	351 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FILTERING surface / filter surface ratio	2:1 for 48 mm thickness 3:1 for 98 mm thickness
FIRE reaction	class F1 - (DIN53438/3) class M1 - NF-F-16-101



PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m^2]	Nominal flow rate [m^3/h]
400	400	48	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
490	500		0,51	2.800
490	592		0,61	3.300
500	600		0,63	3.450
287	592		0,36	1.950
300	600		0,38	2.050
600	600		0,76	4.100
305	610		0,39	2.150
610	610		0,78	4.250
400	400	98	0,5	2.700
400	500		0,62	3.350
400	625		0,78	4.200
500	500		0,78	4.200
500	625		0,97	5.250
592	592		1,09	5.900
490	500		0,76	4.150
490	592		0,93	5050
500	600		0,93	5.050
287	592		0,53	2.850
300	600		0,56	3.050
600	600		1,12	6.050
305	610		0,58	3.150
610	610		1,15	6.250

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	Mold resistant	Microorganism Resistance	REACH Certificate	RoHS Certificate	Industrial	Building
Air Conditioning	CMV							

*On request

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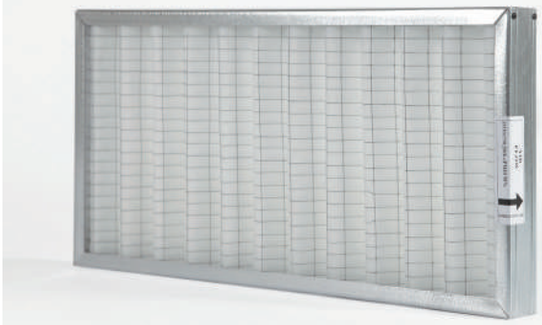


WF5 FiltraSan™

Pleated synthetic filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter fabric in AT500 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 10-15 mm.

FiltraSan™ in collaboration with:

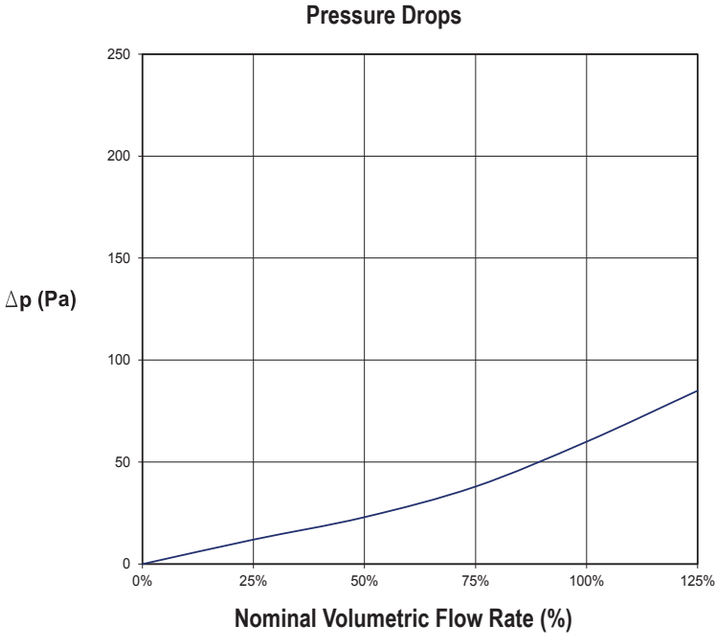
Sanitized Protection

NO BACTERIA

NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	10-12 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	58 Pa
RECOMMENDED final pressure drop	400 Pa
MAXIMUM pressure drop	450 Pa
DUST collection capacity	730 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FILTERING surface / filter surface ratio	2:1 for 48 mm thickness
	3:1 for 98 mm thickness
FIRE reaction	class F1 - (DIN53438/3)
	class B2 - (DIN4102/1)
	class M1 - NF-F-16-101

* Different thicknesses on request.



PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m^2]	Nominal flow rate [m^3/h]
400	400	48	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
490	500		0,51	2.800
490	592		0,61	3.300
500	600		0,63	3.450
287	592		0,36	1.950
300	600		0,38	2.050
600	600		0,76	4.100
305	610		0,39	2.150
610	610		0,78	4.250
400	400	98	0,5	2.700
400	500		0,62	3.350
400	625		0,78	4.200
500	500		0,78	4.200
500	625		0,97	5.250
592	592		1,09	5.900
490	500		0,76	4.150
490	592		0,93	5050
500	600		0,93	5.050
287	592		0,53	2.850
300	600		0,56	3.050
600	600		1,12	6.050
305	610		0,58	3.150
610	610		1,15	6.250

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	Mold resistant	Microorganism Resistance	REACH Certificate	RoHS Certificate	Industrial	Building
Air conditioning	CMV							

*On request

TECNICA™ Efficient Indoor Air Project

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Filtrasan Pocket 14

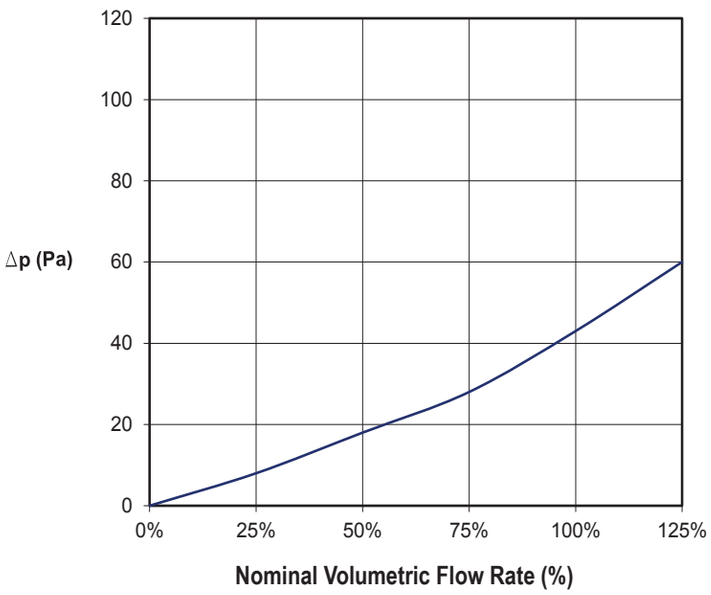
FiltraSan™

Soft synthetic pocket filter with U-section galvanised steel frame and FiltraSan™ sanitizing filter bags in 200 g/m2 polyester fibre with progressive density on the air outlet side. Efficiency class G4.

FiltraSan™ in collaboration with: Sanitized Protection · NO BACTERIA · NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	20-22 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	43 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	351 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3) class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART				
Model [code]	Dimensions W x Dx H [mm]	Pockets [n]	Nominal flow rate [m²]	Filtering surface [m³/h]
14TF/3.290.3	290 X 595 X 360	3	1.650	1,3
14TF/5.490.3	490 X 595 X 360	5	2.750	2,1
14TF/6.595.3	595 X 595 X 360	6	3.300	2,6
14TF/3.290.5	290 X 595 X 500	3	2.300	1,8
14TF/5.490.5	490 X 595 X 500	5	3.800	3,0
14TF/6.595.5	595 X 595 X 500	6	4.500	3,6

Note: Also available with 620 mm depth

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	Mold resistant	Microorganism Resistance	REACH Certificate	RoHS Certificate	Industrial	Building
Air conditioning	CMV							

*On request

Filtrasan Pocket 15

FiltraSan™

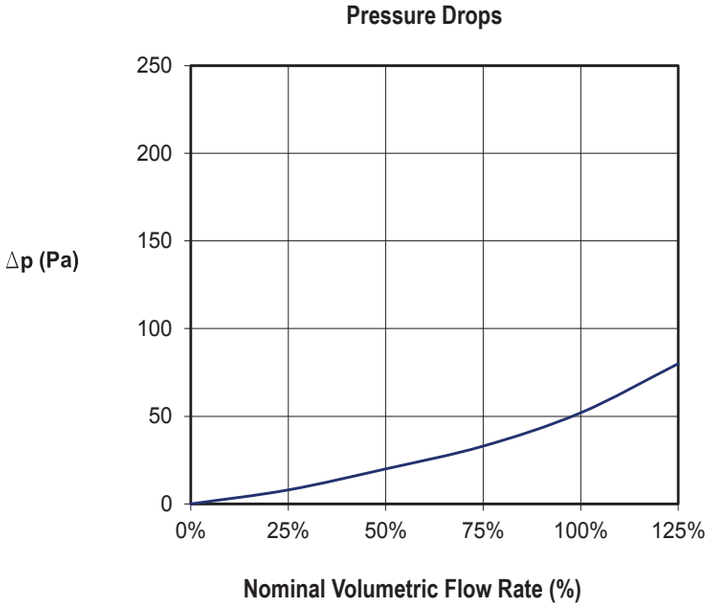
Soft synthetic pocket filter with U-section galvanised steel frame and FiltraSan™ sanitizing filter bags in 200 g/m2 polyester fibre with progressive density on the air outlet side.

FiltraSan™ in collaboration with:

NO BACTERIA

NO MILDEW

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 60%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	10-12 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	58 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	730 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3) class B2 - (DIN4102/1) class M1 - NF-F-16-101



SELECTION CHART				
Model [code]	Dimensions W x Dx H [mm]	Pocket [n]	Nominal flow rate [m²]	Filtering surface [m³/h]
15TF/3.290.3	290 X 595 X 360	3	1.650	1,3
15TF/5.490.3	490 X 595 X 360	5	2.750	2,1
15TF/6.595.3	595 X 595 X 360	6	3.300	2,6
15TF/3.290.5	290 X 595 X 500	3	2.300	1,8
15TF/5.490.5	490 X 595 X 500	5	3.800	3,0
15TF/6.595.5	595 X 595 X 500	6	4.500	3,6

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

TECNICA srl – Via degli Intarsiatori Rolesi 1 – 42047 Rolo (RE) tel.+39 0522 665129
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

CERTIFICATIONS

FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified

NO BACTERIA NO MILDEW

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY, INNOVATION

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	Mold resistant	Microorganism Resistance	REACH Certificate	RoHS Certificate	Industrial	Building
Air conditioning	CMV							

*On request

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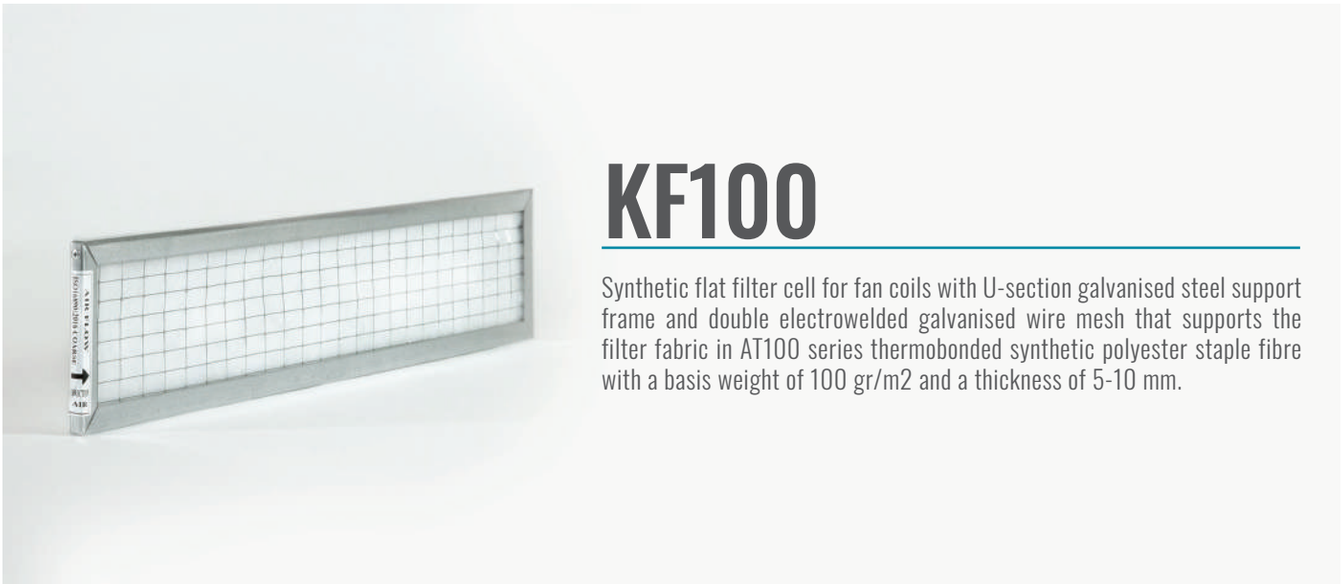
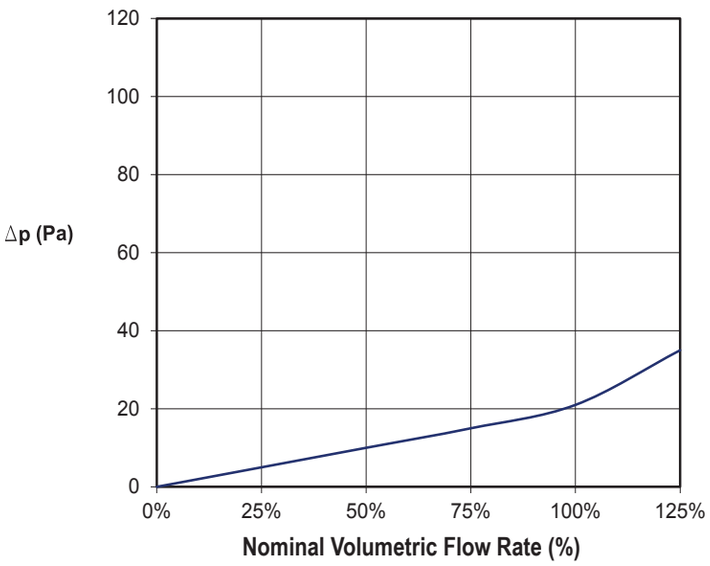


KF100

Synthetic flat filter cell for fan coils with U-section galvanised steel support frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT100 series thermobonded synthetic polyester staple fibre with a basis weight of 100 gr/m2 and a thickness of 5-10 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3) class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART		
Thickness [mm]	**Width [mm]**	**Length [mm]**
3-5-6-8-10	MIN 100 MAX 230	MIN 100 MAX 1600

PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is made up of AT100 series thermobonded polyester staple fibre with a basis weight of 100 gr/m2 and a thickness of 5-10 mm.

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

KF100/R

Synthetic flat filter cell for fan coils with U-section galvanised steel support and containment frame and double electrowelded galvanised wire mesh that supports the 10x10 honeycomb filter fabric.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

FABRIC type	10x10 honeycomb filter fabric, white color (black color on request)
FILTERING mass weight	135gr/mq
MELTING temperature	170°C
Free surface percentage	57%

SELECTION CHART

Thickness [mm]	Width [mm]	Length [mm]
5	MIN 100 MAX 230	MIN 100 MAX 1600

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

APPLICATIONS

Fan coils, air treatment units.

GREEN BUILDING

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IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

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APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

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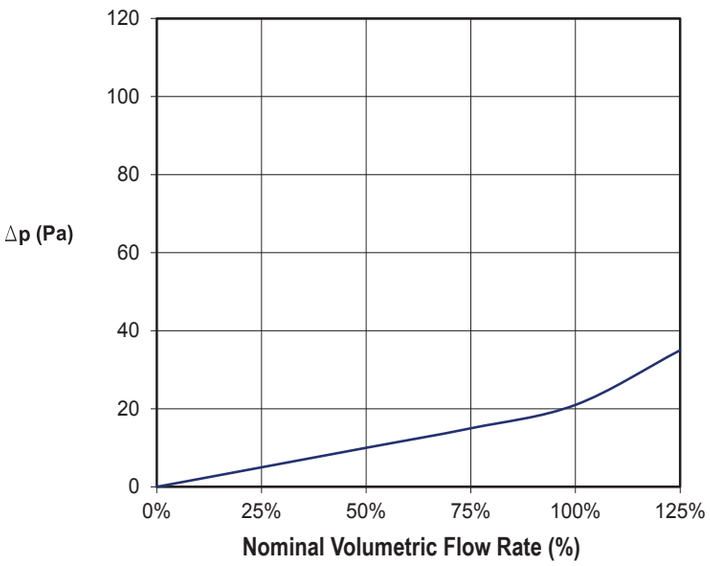
KF125

Synthetic flat filter cell for fan coils with support frame in 3mm-diameter drawn rod and wire mesh that supports the filter in AT100 series thermobonded polyester staple fibre with a basis weight of 100 g/m2 and a thickness of 5-10 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3) class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART		
Thickness [mm]	**Width [mm]**	**Length [mm]**
5	MIN 100 MAX 230	MIN 100 MAX 1600

PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is composed of AT100 series thermobonded polyester staple fibre with a basis weight of 100 gr/m2 and a thickness of 5-10 mm.

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

KF125/R

Synthetic flat filter cell for fan coils with support and containment frame in 3mm-diameter drawn rod and double electrowelded galvanised steel wire mesh that supports the 10x10 honeycomb filter fabric.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
FILTERING MASS WEIGHT	135 gr/m^2
MELTING TEMPERATURE	170 °C
PERCENTAGE FREE AIR	57 %

SELECTION CHART		
Thickness [mm]	**Width [mm]**	**Length [mm]**
5	MIN 100 MAX 230	MIN 100 MAX 1600

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

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IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

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APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

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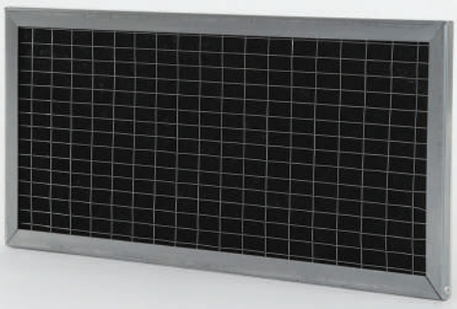
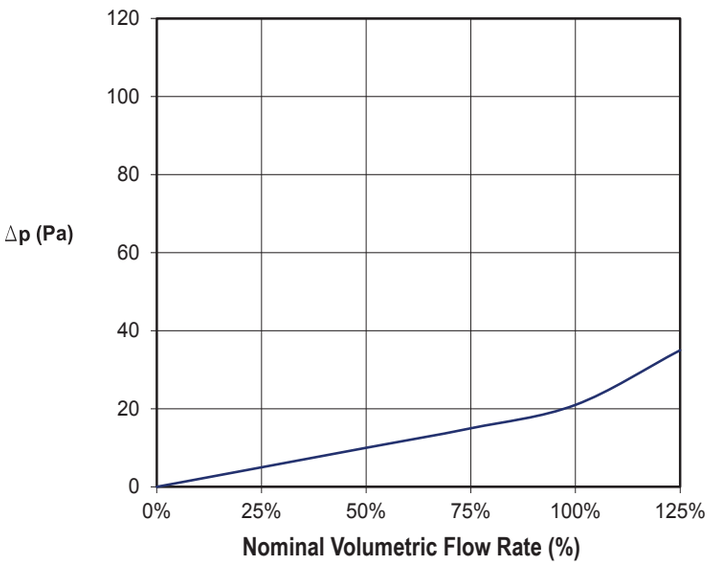


KC35

Synthetic flat filter cell for fan coils with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in thermobonded synthetic polyester staple fibre impregnated with AC CARBON series active carbons with a basis weight of 200 g/m2 and a thickness of 5-10 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	5-10 mm
MAXIMUM WORKING temperature	90°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1

Pressure Drops



SELECTION CHART		
Thickness [mm]	**Width [mm]**	**Length [mm]**
6-8-10	MIN 100 MAX 230	MIN 100 MAX 1600

PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is made up of thermobonded polyester staple fibre impregnated with AC CARBON series active carbons with a basis weight of 200 gr/m2 and a thickness of 5-10 mm.

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

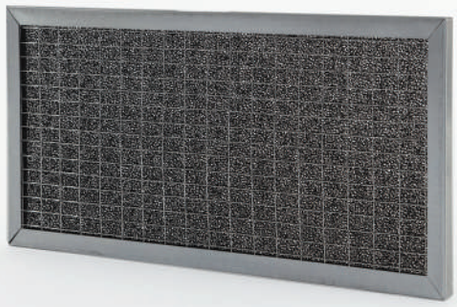
BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request



KP20 R

Synthetic flat filter cell for fan coils with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in PR20/06 series rigid polyurethane foam with a thickness of 6 mm, reticulated with evenly distributed open cells.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	75%
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	17 Pa for PR20/06 thickness 6 mm
	33 Pa for PR20/10 thickness 10 mm
	38 Pa for PR20/12 thickness 12 mm
RECOMMENDED final pressure drop	150 Pa
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1
POROSITY	20 PPI

SELECTION CHART		
Thickness [mm]	**Width [mm]**	**Length [mm]**
6-10-12	MIN 100 MAX 230	MIN 100 MAX 1600

FILTERING MEDIA

The high-porosity synthetic fibre with high operating efficiency is composed of PR20/06 series rigid polyurethane foam with a thickness of 6 mm, reticulated with evenly distributed open cells. This type of filter medium is easy to regenerate by means of air blasting or washing.

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

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GREEN BUILDING

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LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

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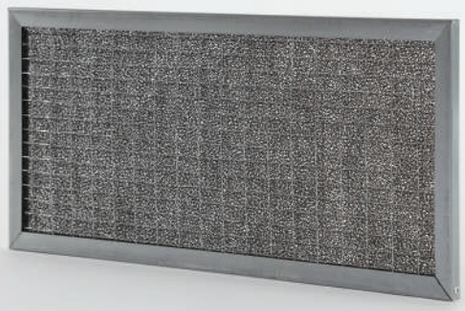

KP20 M

Synthetic flat filter cell for fan coils with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in PR20/10 series soft polyurethane foam with a thickness of 10 mm, reticulated with evenly distributed open cells.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	75%
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	17 Pa for PR20/06 thickness 6 mm
	33 Pa for PR20/10 thickness 10 mm
	38 Pa for PR20/12 thickness 12 mm
RECOMMENDED final pressure drop	150 Pa
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1
POROSITY	20 PPI

SELECTION CHART		
Thickness [mm]	**Width [mm]**	**Length [mm]**
6-10-12	MIN 100 MAX 230	MIN 100 MAX 1600

FILTERING MEDIA

The high-porosity synthetic fibre with high operating efficiency is made up of PM20/10 series soft polyurethane foam with a thickness of 10 mm, reticulated with evenly distributed open cells. This type of filter medium is easy to regenerate by means of air blasting or washing.

APPLICATIONS

Fan coils, air treatment units.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

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GREEN BUILDING

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LEED

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IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

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APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

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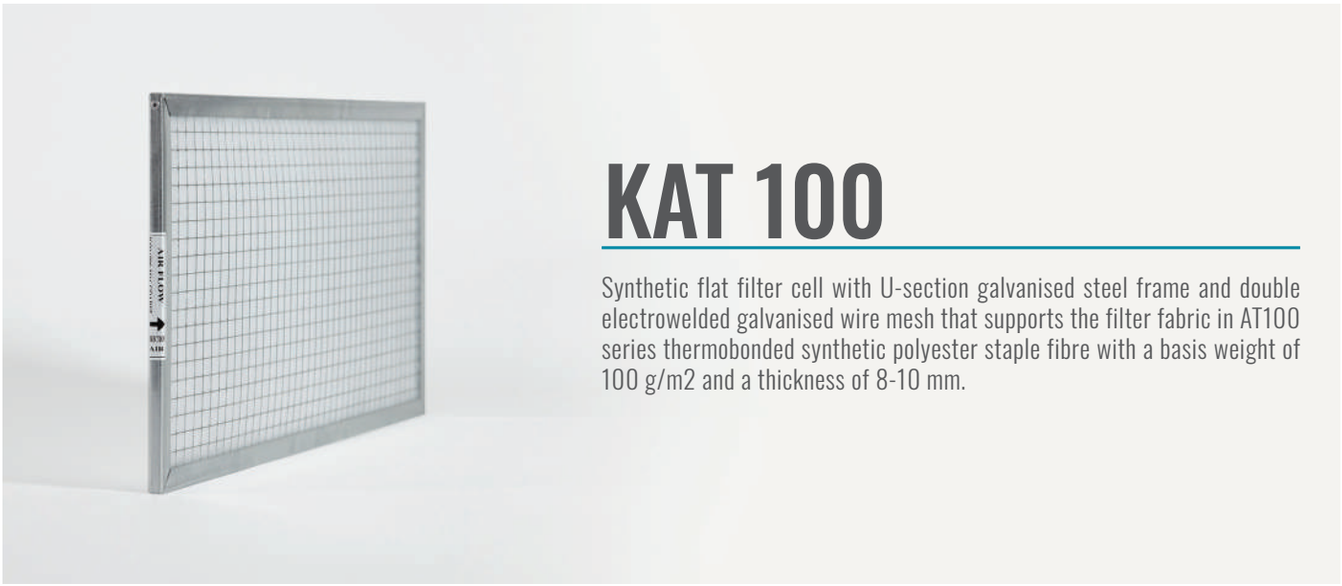
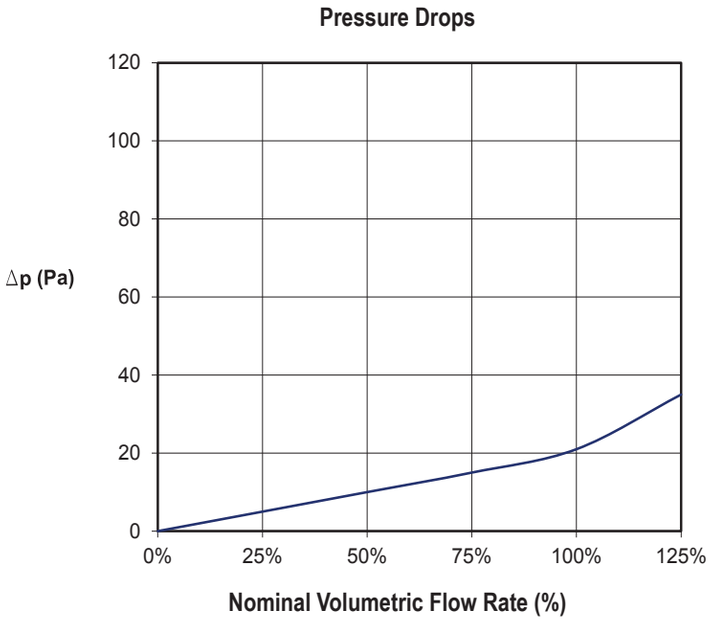


KAT 100

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT100 series thermobonded synthetic polyester staple fibre with a basis weight of 100 g/m2 and a thickness of 8-10 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3) class M1 - NF-F-16-101



SELECTION CHART				
Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m²]	Nominal flow rate [m³/h]
400	400	10	0,16	850
400	500		0,20	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
The calibrated-density synthetic fibre with high operating efficiency is composed of AT100 series thermobonded polyester staple fibre with a basis weight of 100 gr/m2 and a thickness of 8-10 mm.

APPLICATIONS
Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

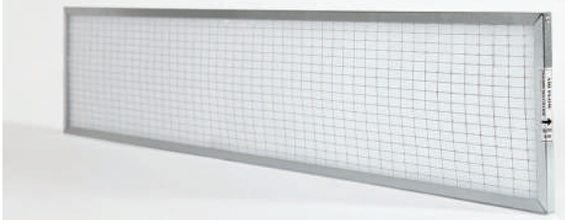
BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

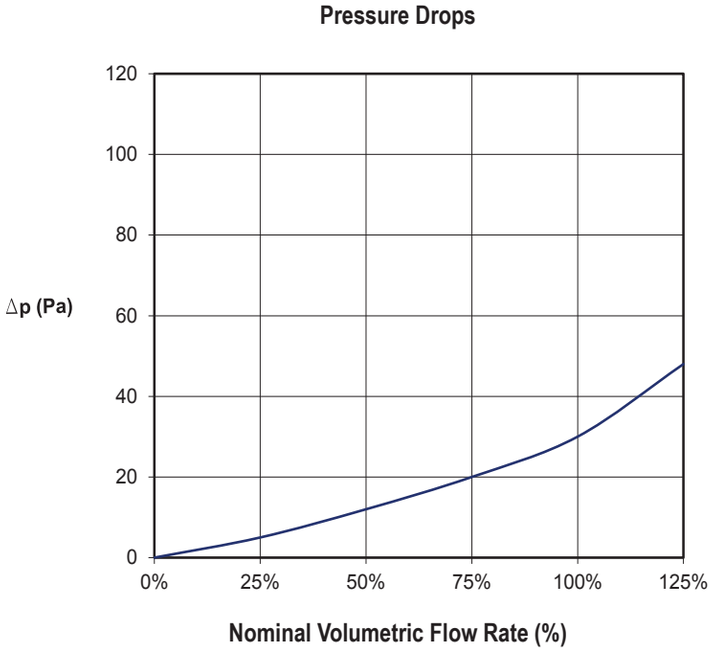
*On request



KAT 150

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT150 series thermobonded synthetic polyester staple fibre with a basis weight of 150 g/m2 and a thickness of 14-16 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	80%
FILTER FABRIC basic weight:	150gr/mq
THICKNESS	14-16 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	26 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	235 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3) class M1 - NF-F-16-101



SELECTION CHART				
Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m²]	Nominal flow rate [m³/h]
400	400	15	0,16	850
400	500		0,2	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is made up of AT150 series thermobonded polyester staple fibre with a basis weight of 150 gr/m2 and a thickness of 14-16 mm.

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

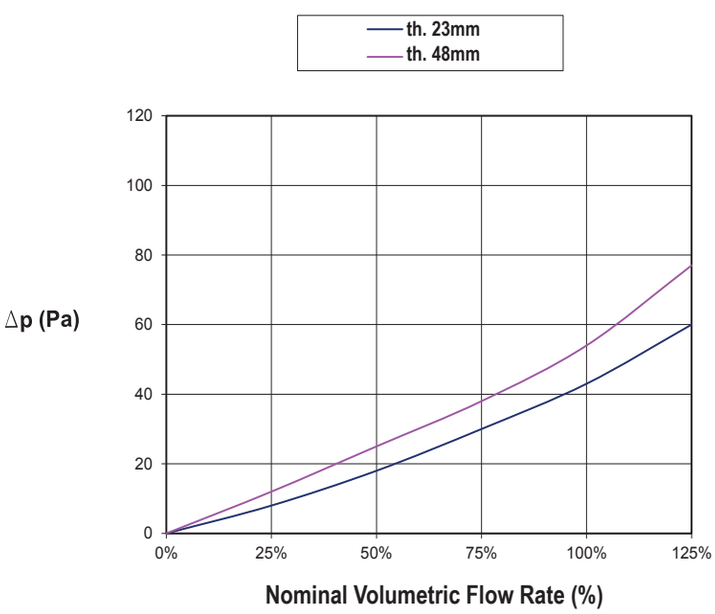
OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

KAT 200

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 20 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	20-22 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	43 Pa Th. 23mm
	54 Pa Th. 48mm
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	351 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101



SELECTION CHART				
Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m²]	Nominal flow rate [m³/h]
400	400	23 - 48	0,16	850
400	500		0,2	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
The calibrated-density synthetic fibre with high operating efficiency is composed of AT200 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 20 mm.

APPLICATIONS
Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

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Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
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BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

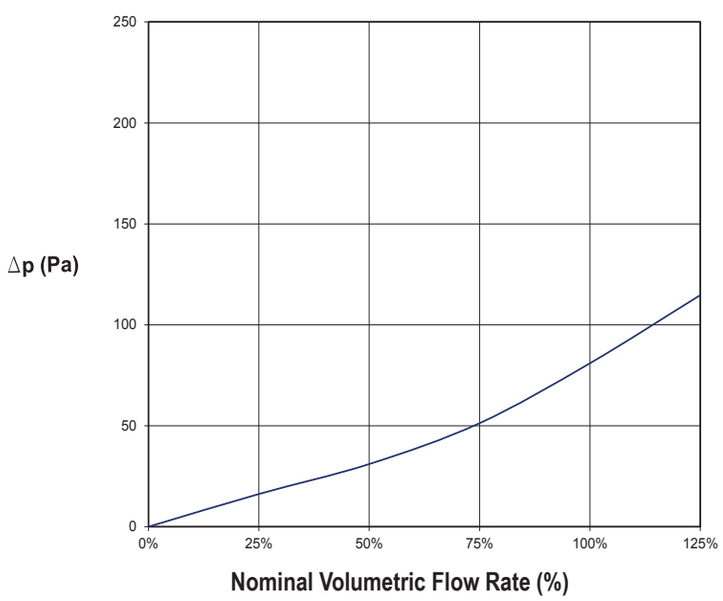
*On request

KAT 500

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT500 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 10 mm and a layer of AT100 to reach the filter thickness.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	10-11mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	81 Pa
RECOMMENDED final pressure drop	450 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	730 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class B2 - (DIN4102/1) class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART				
Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m²]	Nominal flow rate [m³/h]
400	400	23	0,16	850
400	500		0,20	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is made up of a layer of AT500 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 10 mm and a layer of AT100 to reach the filter thickness.

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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BREEAM

Contributes to credits:
MAN, WST

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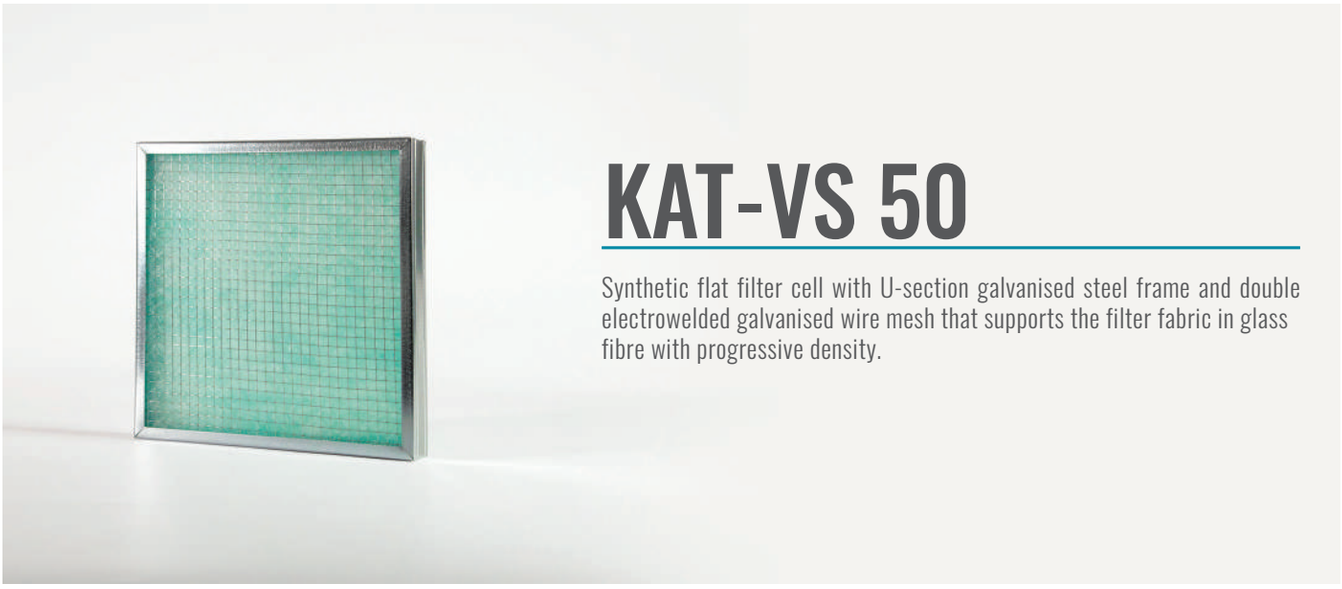
APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

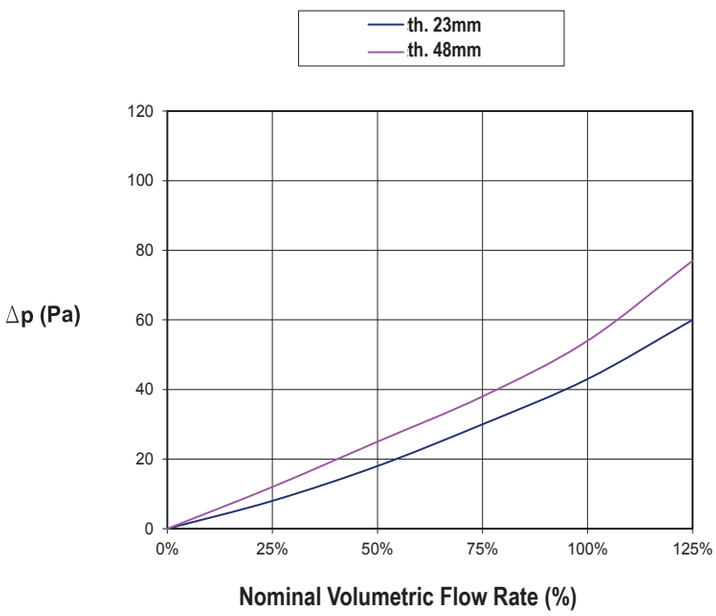
*On request



KAT-VS 50

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in glass fibre with progressive density.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	90-98%
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa Th. 23mm
	54 Pa Th. 48mm
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
DUST collection capacity:	3-5 kg m^3
	Depends on the type of paint, whether dry or liquid
RECOMMENDED frontal air speed:	1,5-2 m/s
FIRE reaction:	class F1 - (DIN53438/3)



SELECTION CHART				
Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m^2]	Nominal flow rate [m^3/h]
400	400	48	0,16	850
400	500		0,20	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
Filter medium in 210 g/m2 glass fibre with progressive density, specially created for filtration of solvent-based paint and lacquer particles.

APPLICATIONS
Filtration of solvent-based paint and lacquer particles in painting booths for surface treatment.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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BREEAM
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MAN, WST

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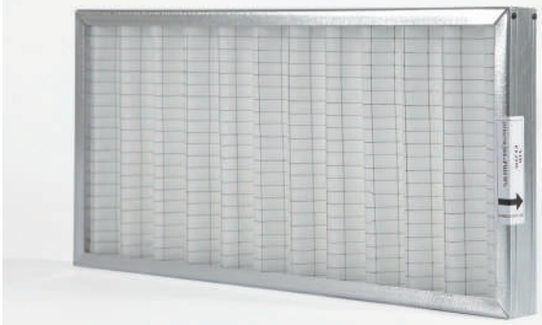
APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request



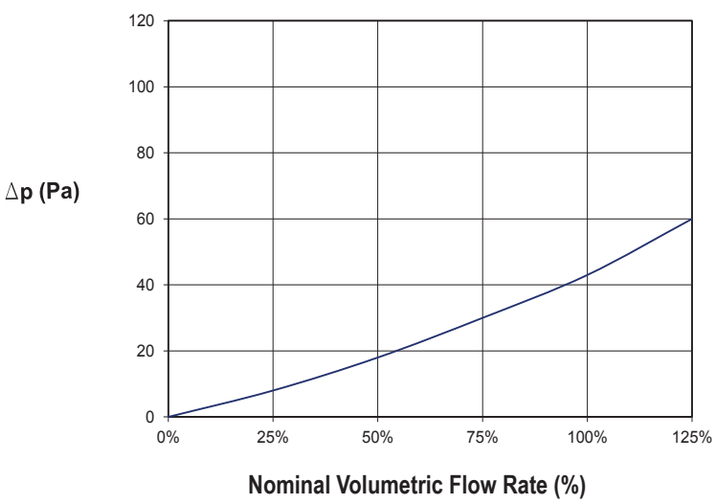
WZ3

Pleated synthetic filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200g/m2 and a thickness of 20mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016):	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012):	G4
AVERAGE gravimetric efficiency	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS:	20-22 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST collection capacity:	351 gr/mq
RECOMMENDED frontal air speed:	1,5 m/s
FILTERING surface/filter surface ratio:	2:1 for 48mm thickness
	3:1 for 98mm thickness
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101

* Different thicknesses on request.

Pressure Drops



PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
400	400	48	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
490	500		0,51	2.800
490	592		0,61	3.300
500	600		0,63	3.450
287	592		0,36	1.950
300	600		0,38	2.050
600	600		0,76	4.100
305	610		0,39	2.150
610	610		0,78	4.250
400	400	98	0,5	2.700
400	500		0,62	3.350
400	625		0,78	4.200
500	500		0,78	4.200
500	625		0,97	5.250
592	592		1,09	5.900
490	500		0,76	4.150
490	592		0,93	5050
500	600		0,93	5.050
287	592		0,53	2.850
300	600		0,56	3.050
600	600		1,12	6.050
305	610		0,58	3.150
610	610		1,15	6.250

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FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is composed of AT200 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 20 mm.

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

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WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air condtioning	CMV

*On request

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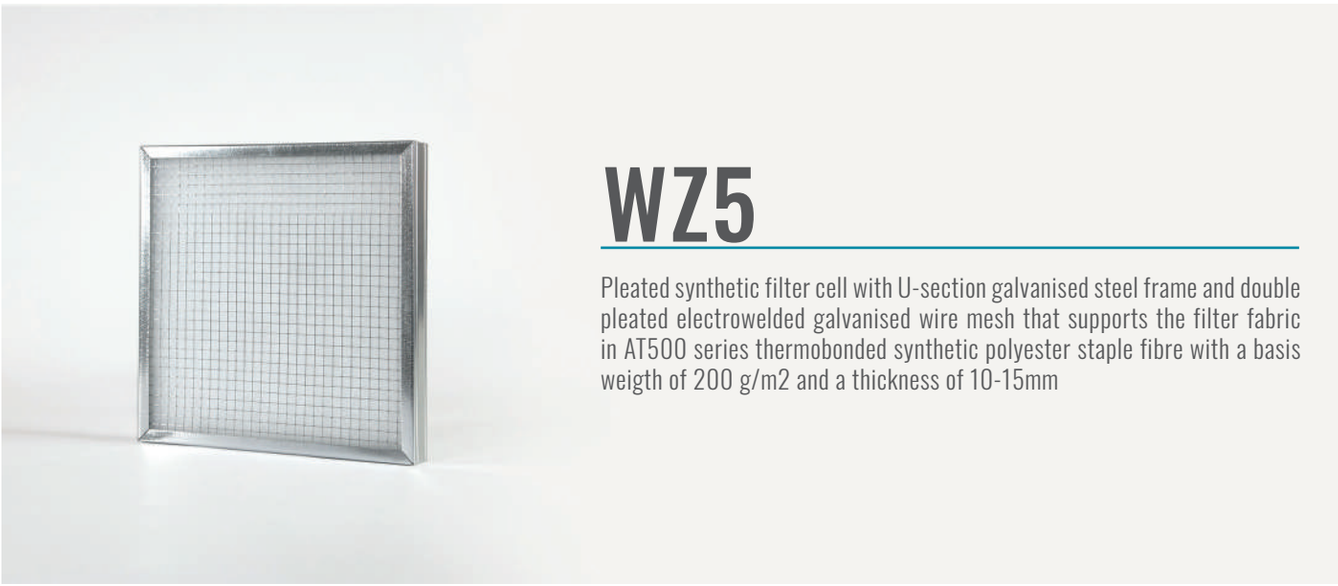
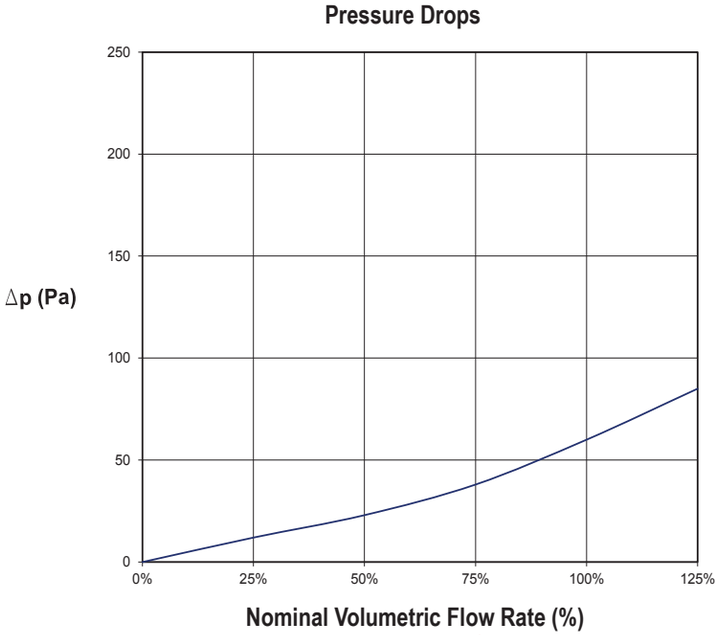


WZ5

Pleated synthetic filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the filter fabric in AT500 series thermobonded synthetic polyester staple fibre with a basis weigth of 200 g/m2 and a thickness of 10-15mm

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016):	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012):	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS:	10-12 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	58 Pa
RECOMMENDED final pressure drop:	400 Pa
MAXIMUM pressure drop:	450 Pa
DUST collection capacity:	730 gr/mq
RECOMMENDED frontal air speed:	1,5 m/s
FILTERING surface/filter surface ratio:	2:1 for 48mm thickness
	3:1 for 98mm thickness
FIRE reaction	class F1 - (DIN53438/3)
	class B2 - (DIN4102/1)
	class M1 - NF-F-16-101

* Different thicknesses on request.



PRESSURE DROP DIAGRAM
(Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
400	400	48	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
490	500		0,51	2.800
490	592		0,61	3.300
500	600		0,63	3.450
287	592		0,36	1.950
300	600		0,38	2.050
600	600		0,76	4.100
305	610		0,39	2.150
610	610		0,78	4.250
400	400	98	0,50	2.700
400	500		0,62	3.350
400	625		0,78	4.200
500	500		0,78	4.200
500	625		0,97	5.250
592	592		1,09	5.900
490	500		0,76	4.150
490	592		0,93	5050
500	600		0,93	5.050
287	592		0,53	2.850
300	600		0,56	3.050
600	600		1,12	6.050
305	610		0,58	3.150
610	610		1,15	6.250

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FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is composed of AT500 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 10-15 mm.

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

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WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

* On request

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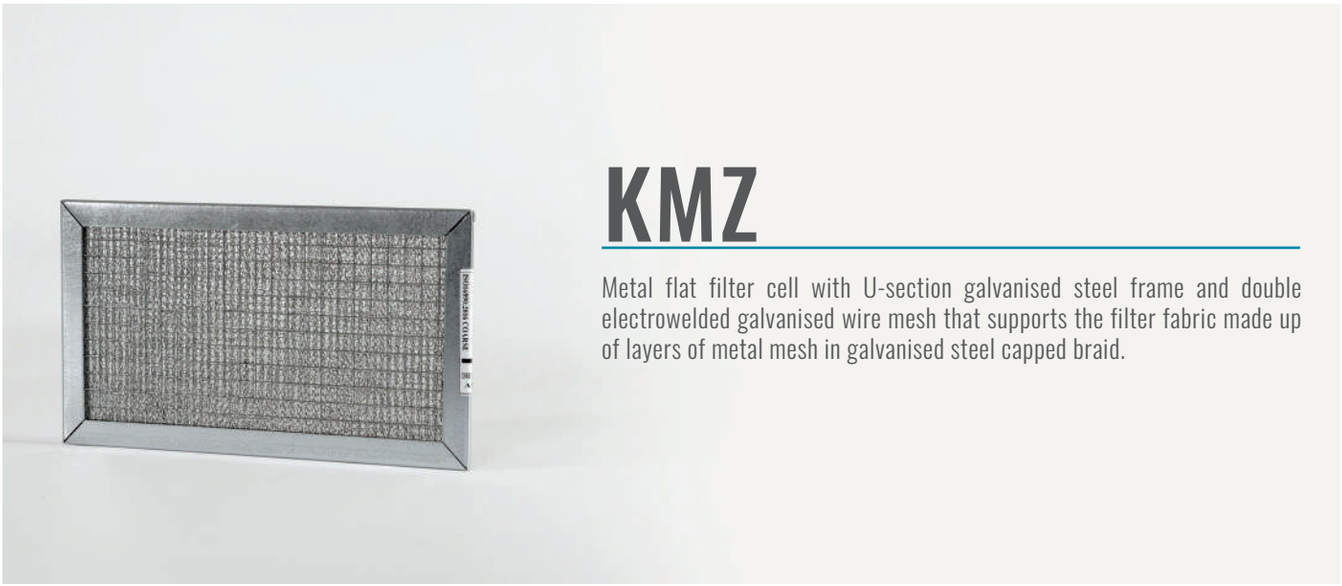

KMZ

Metal flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric made up of layers of metal mesh in galvanised steel capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	65% for filter 10mm thickness
	70% for filter 23mm thickness
	75% for filter 48mm thickness
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	5 Pa for filter 10mm thickness
	10 Pa for filter 23mm thickness
	15 Pa for filter 48mm thickness
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
RECOMMENDED frontal air speed:	1,5 m/s

SELECTION CHART

Length [mm]	Width [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
250	500	0,12	700
287	592	0,17	900
400	400	0,16	850
400	500	0,20	1.100
400	625	0,25	1.350
500	500	0,25	1.350
500	625	0,31	1.700
592	592	0,35	1.900

Frame Thickness [mm]	Layers of Braid [n]
10	2
23	4
48	6

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FILTERING MEDIA
The filtering media is composed of layers of metal mesh in galvanised steel capped braid.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances

GREEN BUILDING

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WELL
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BREEAM
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MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

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KMZ/A

Metal flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric made up of layers of metal mesh in aluminium steel capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	65% for filter 10mm thickness
	70% for filter 23mm thickness
	75% for filter 48mm thickness
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	5 Pa for filter 10mm thickness
	10 Pa for filter 23mm thickness
	15 Pa for filter 48mm thickness
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
RECOMMENDED frontal air speed:	1,5 m/s

SELECTION CHART

Length [mm]	Width [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
250	500	0,12	700
287	592	0,17	900
400	400	0,16	850
400	500	0,20	1.100
400	625	0,25	1.350
500	500	0,25	1.350
500	625	0,31	1.700
592	592	0,35	1.900

Frame Thickness [mm]	Layers of Braid [n]
10	2
23	4
48	6

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FILTERING MEDIA
The filtering media is composed of layers of metal mesh in aluminium steel capped braid.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances

GREEN BUILDING

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BREEAM
Contributes to credits:
MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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KMA

Metal flat filter cell with U-section aluminium frame and double microstretched aluminium wire mesh that supports the filter fabric made up of layers of metal mesh in aluminium capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE - (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	65% for filter 10mm thickness
	70% for filter 23mm thickness
	75% for filter 48mm thickness
MAXIMUM WORKING temperature:	200°C
RELATIVE humidity:	100%
INITIAL pressure drop:	5 Pa for filter 10mm thickness
	10 Pa for filter 23mm thickness
	15 Pa for filter 48mm thickness
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
RECOMMENDED frontal air speed:	1,5 m/s

SELECTION CHART

Length [mm]	Width [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
250	500	0,12	700
287	592	0,17	900
400	400	0,16	850
400	500	0,20	1.100
400	625	0,25	1.350
500	500	0,25	1.350
500	625	0,31	1.700
592	592	0,35	1.900

Frame Thickness [mm]	Layers of Braid [n]
10	2
23	4
48	6

TECNICA™ Efficient Indoor Air Project

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fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

FILTERING MEDIA
The filtering media is made up of layers of metal mesh in aluminium capped braid.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

KMX/RE

Metal flat filter cell with U-section AISI 304 stainless steel frame and double microstretched AISI 304 stainless steel wire mesh that supports the filter fabric composed of layers of pleated microstretched mesh in AISI 304 stainless steel.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	65% for filter 10mm thickness
	70% for filter 23mm thickness
	75% for filter 48mm thickness
MAXIMUM WORKING temperature:	350°C
RELATIVE humidity:	100%
INITIAL pressure drop:	10 Pa for filter 10mm thickness
	20 Pa for filter 23mm thickness
	30 Pa for filter 48mm thickness
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
RECOMMENDED frontal air speed:	1,5 m/s

SELECTION CHART

Length [mm]	Width [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
250	500	0,12	700
287	592	0,17	900
400	400	0,16	850
400	500	0,20	1.100
400	625	0,25	1.350
500	500	0,25	1.350
500	625	0,31	1.700
592	592	0,35	1.900

Frame Thickness [mm]	Layers of Braid [n]
10	2
23	4
48	6

TECNICA™ Efficient Indoor Air Project

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FILTERING MEDIA
The filtering media is composed of layers of pleated microstretched mesh in AISI 304 stainless steel.

APPLICATIONS
Prefiltration of high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certification	RoHS Certification	Industry	Building	Air conditioning	CMV

*On request

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KMX/CA

Metal flat filter cell with U-section AISI 304 stainless steel frame and double microstretched AISI 304 stainless steel wire mesh that supports the filter fabric composed of layers of metal mesh in AISI 304 stainless steel capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	65% for filter 10mm thickness
	70% for filter 23mm thickness
	75% for filter 48mm thickness
MAXIMUM WORKING temperature:	300°C
RELATIVE humidity:	100%
INITIAL pressure drop:	10 Pa for filter 10mm thickness
	20 Pa for filter 23mm thickness
	30 Pa for filter 48mm thickness
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
RECOMMENDED frontal air speed:	1,5 m/s

SELECTION CHART

Length [mm]	Width [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
250	500	0,12	700
287	592	0,17	900
400	400	0,16	850
400	500	0,20	1.100
400	625	0,25	1.350
500	500	0,25	1.350
500	625	0,31	1.700
592	592	0,35	1.900

Frame Thickness [mm]	Layers of Braid [n]
10	2
23	4
48	6

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FILTERING MEDIA
The filtering media is made up of layers of metal mesh in AISI304 stainless steel capped braid.

APPLICATIONS
Prefiltration of high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances.

GREEN BUILDING

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WELL
Contributes to credits:
MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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KMX/CA-STIR

Metal flat filter cell with U-section AISI 304 stainless steel frame and double microstretched AISI 304 stainless steel wire mesh that supports the filter fabric composed of layers of metal mesh in AISI 304 stainless steel capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	65% for filter 10mm thickness
	70% for filter 23mm thickness
	75% for filter 48mm thickness
MAXIMUM WORKING temperature:	300°C
RELATIVE humidity:	100%
INITIAL pressure drop:	10 Pa for filter 10mm thickness
	20 Pa for filter 23mm thickness
	30 Pa for filter 48mm thickness
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
RECOMMENDED frontal air speed:	1,5 m/s

SELECTION CHART

Length [mm]	Width [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
250	500	0,12	700
287	592	0,17	900
400	400	0,16	850
400	500	0,20	1.100
400	625	0,25	1.350
500	500	0,25	1.350
500	625	0,31	1.700
592	592	0,35	1.900

Frame Thickness [mm]	Layers of Braid [n]
10	2
23	4
48	6

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FILTERING MEDIA
The filtering media is made up of layers of metal mesh in AISI304 stainless steel capped braid.

APPLICATIONS
Prefiltration of high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances.

GREEN BUILDING

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WELL
Contributes to credits:
MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

WZZ/A

Metallic pleated filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the filter fabric in aluminium capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	75%
MAXIMUM WORKING temperature:	200°C
RELATIVE humidity:	100%
INITIAL pressure drop:	45 Pa
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
RECOMMENDED frontal air speed:	1,5 m/s
FILTERING surface/filter surface ratio:	2:1 for 48 mm thickness
	3:1 for 98 mm thickness

SELECTION CHART

Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
400	400	48	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
490	500		0,51	2.800
500	600		0,63	3.450
287	592		0,36	1.950
300	600		0,38	2.050
600	600		0,76	4.100
305	610		0,39	2.150
610	610		0,78	4.250

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SELECTION CHART

Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
400	400	98	0,50	2.700
400	500		0,62	3.350
400	625		0,78	4.200
500	500		0,78	4.200
500	625		0,97	5.250
592	592		1,09	5.900
490	500		0,76	4.150
500	600		0,93	5.050
287	592		0,53	2.850
300	600		0,56	3.050
600	600		1,12	6.050
305	610		0,58	3.150
610	610		1,15	6.250

FILTERING MEDIA
The filtering media is composed of layers of metal mesh in aluminium capped braid.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

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MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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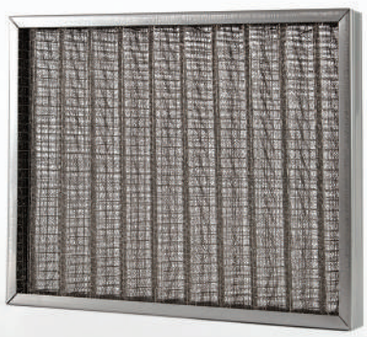

WZX

Pleated metallic filter cell with U-section AISI 304 stainless steel frame and double pleated electrowelded AISI 304 stainless steel wire mesh that supports the filter fabric in AISI 304 stainless steel capped braid.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 1% - ePM2,5 = 2% - ePM10 = 12%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	75%
MAXIMUM WORKING temperature:	300°C
RELATIVE humidity:	100%
INITIAL pressure drop:	45 Pa
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
RECOMMENDED frontal air speed:	1,5 m/s
FILTERING surface/filter surface ratio:	2:1 for 48 mm thickness
	3:1 for 98 mm thickness

SELECTION CHART

Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
400	400	48	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
490	500		0,51	2.800
500	600		0,63	3.450
287	592		0,36	1.950
300	600		0,38	2.050
600	600		0,76	4.100
305	610		0,39	2.150
610	610		0,78	4.250

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SELECTION CHART

Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
400	400	98	0,50	2.700
400	500		0,62	3.350
400	625		0,78	4.200
500	500		0,78	4.200
500	625		0,97	5.250
592	592		1,09	5.900
490	500		0,76	4.150
500	600		0,93	5.050
287	592		0,53	2.850
300	600		0,56	3.050
600	600		1,12	6.050
305	610		0,58	3.150
610	610		1,15	6.250

FILTERING MEDIA
The filtering media is composed of metal mesh in AISI 304 stainless steel capped braid.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration of dry dust and oil mist, treatment of airborne fumes and greases.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101.
Warning: declare whether the filter to be disposed of contains toxic substances.

GREEN BUILDING

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WELL
Contributes to credits:
MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certification	RoHS Certification	Industry	Building	Air conditioning	CMV

*On request

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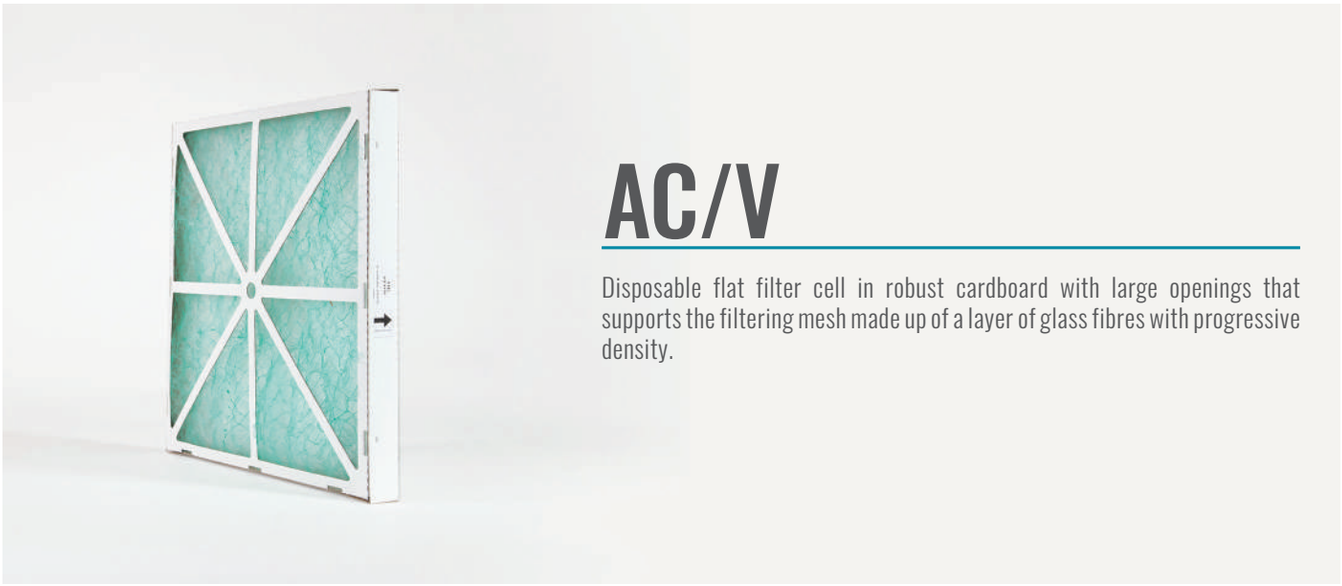
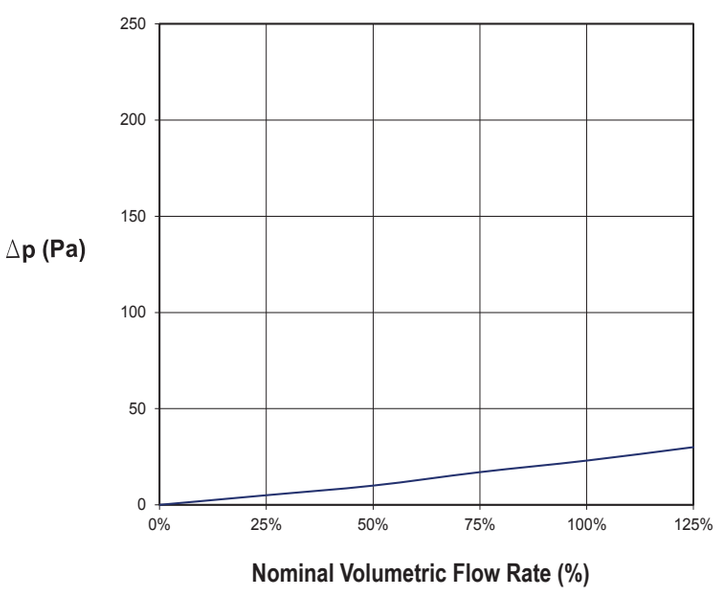


AC/V

Disposable flat filter cell in robust cardboard with large openings that supports the filtering mesh made up of a layer of glass fibres with progressive density.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	90-98%
MAXIMUM WORKING temperature:	120°C
RELATIVE humidity:	100%
INITIAL pressure drop:	25-30 Pa
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
DUST ACCUMULATION capacity	3-5 kg/m2
	Depends on the type of paint, whether dry or liquid
RECOMMENDED frontal air speed:	1,5-2 m/s
FIRE reaction:	Class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
287	592	23 - 48	0,17	1.250
400	400		0,16	1.200
400	500		0,20	1.450
500	500		0,25	1.800
400	625		0,25	1.800
500	625		0,31	2.250
592	592		0,35	2.550

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
Filtering media in glass fibre with progressive density, specially created for filtration of solvent-based paint and lacquer particles. Material supplied in rolls.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration in painting booths.

PRODUCT DISPOSAL
The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

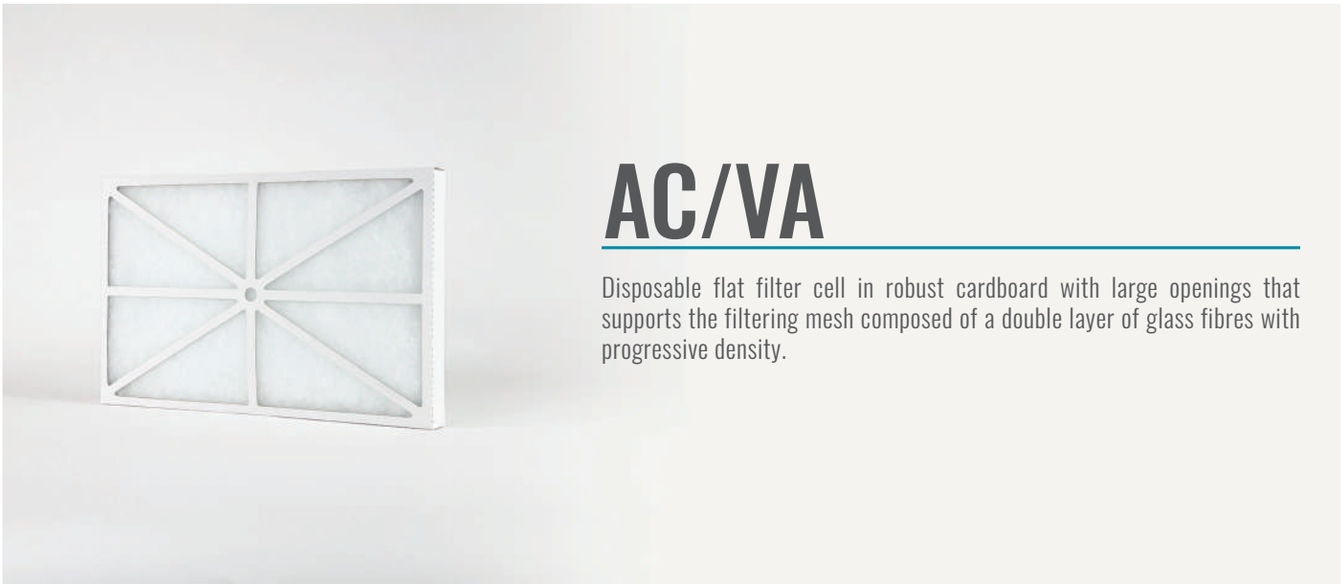
BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

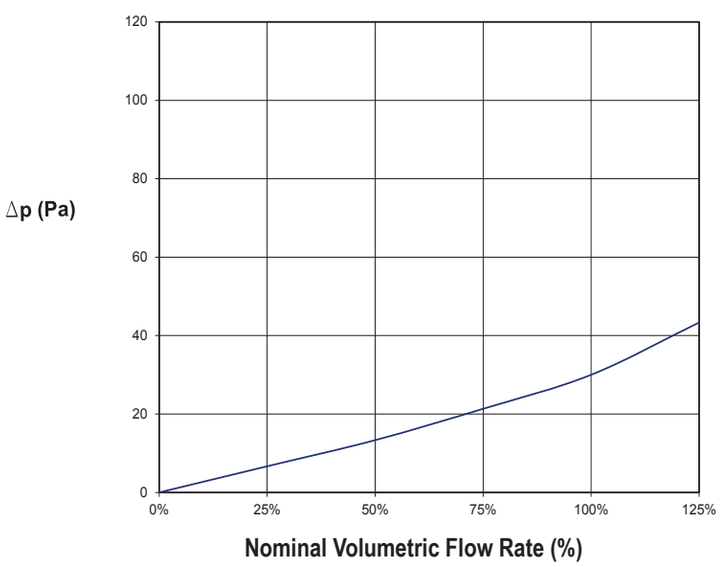


AC/VA

Disposable flat filter cell in robust cardboard with large openings that supports the filtering mesh composed of a double layer of glass fibres with progressive density.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	90-98%
MAXIMUM WORKING temperature:	120°C
RELATIVE humidity:	100%
INITIAL pressure drop:	25-30 Pa
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
DUST ACCUMULATION capacity	3-5 kg/m2
	Depends on the type of paint, whether dry or liquid
RECOMMENDED frontal air speed:	1,5-2 m/s
FIRE reaction:	Class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
287	592	23 - 48	0,17	1.250
400	400		0,16	1.200
400	500		0,20	1.450
500	500		0,25	1.800
400	625		0,25	1.800
500	625		0,31	2.250
592	592		0,35	2.550

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
Filtering media in glass fibre with progressive density, specially created for filtration of solvent-based paint and lacquer particles. Material supplied in rolls.

APPLICATIONS
Prefiltration in high-efficiency filters, filtration in painting booths.

PRODUCT DISPOSAL
The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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IP, EA, MR

WELL
Contributes to credits:
MATERIALS, COMMUNITY

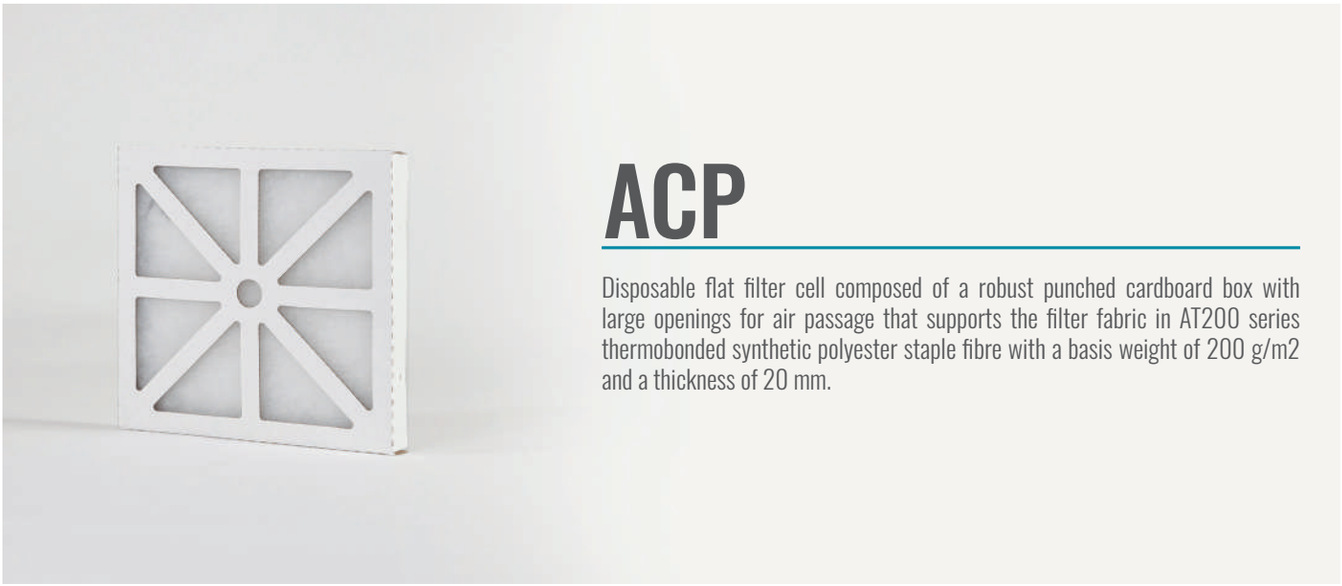
BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request

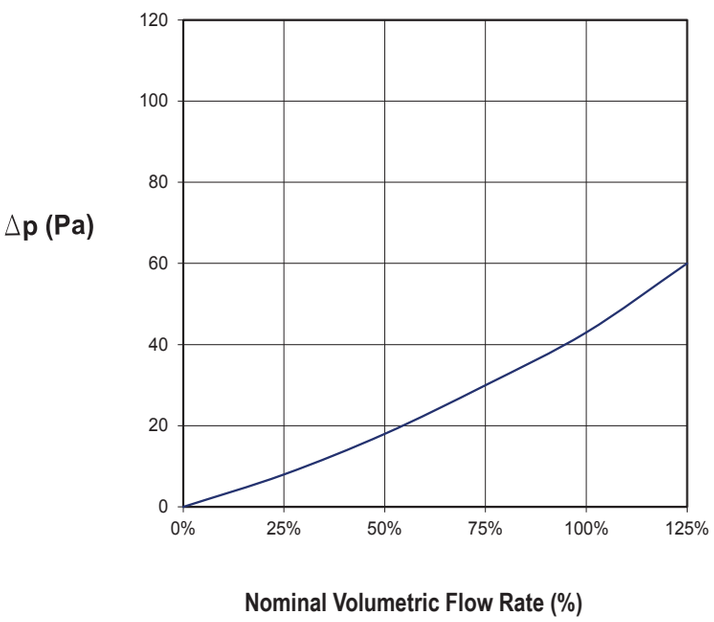


ACP

Disposable flat filter cell composed of a robust punched cardboard box with large openings for air passage that supports the filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 20 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200 gr/m2
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	351 gr/m2
RECOMMENDED frontal air speed:	1,5 m/s
FIRE reaction:	Class F1 - (DIN53438/3)
	Class M1 - (NF-F-16-101)

Pressure Drops



SELECTION CHART				
Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m²]	Nominal Flow Rate [m³/h]
287	592	23	0,17	1.250
400	400		0,16	1.200
400	500		0,20	1.450
500	500		0,25	1.800
400	625		0,25	1.800
500	625		0,31	2.250
592	592		0,35	2.550

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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FILTERING MEDIA
The filter medium is made up of AT200 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 20 mm.

APPLICATIONS
Prefiltration of high-efficiency filters, filtration in painting booths.

PRODUCT DISPOSAL
The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED
Contributes to credits:
IP, EA, MR

WELL
Contributes to credits:
AIR, MATERIALS, COMMUNITY

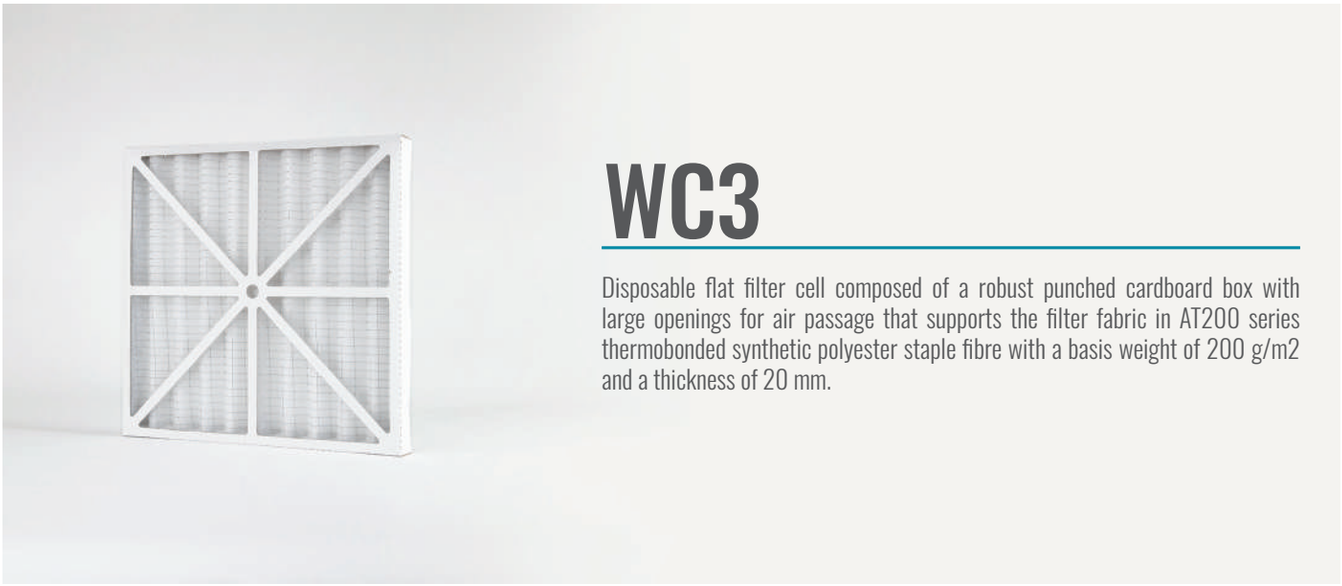
BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certification	RoHS Certification	Building	Air conditioning	CMV

*On request

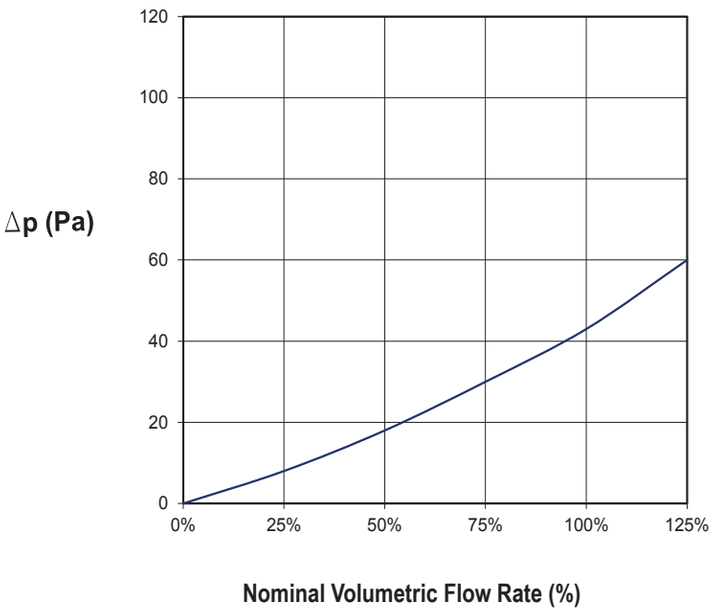


WC3

Disposable flat filter cell composed of a robust punched cardboard box with large openings for air passage that supports the filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m2 and a thickness of 20 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	87%
THICKNESS	18-20 mm
FILTER FABRIC basic weight:	200 gr/m2
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	460 gr/m2
RECOMMENDED frontal air speed:	1,5 m/s
FILTERING surface/filter surface ratio:	2:1 for 48 mm thickness
	3:1 for 98 mm thickness
FIRE reaction	Class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART				
Length [mm]	**Width [mm]**	**Thickness [mm]**	**Filtering Surface [m²]**	**Nominal Flow Rate [m³/h]**
400	400	48 - 98 (on request)	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
287	592		0,36	1.950

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
The calibrated-density synthetic fibre with high operating efficiency is composed of AT200 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 20 mm.

APPLICATIONS
Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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BREEAM
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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

PCW

Disposable pleated filter cell in robust cardboard with large openings and filtering mesh in pleated polyester with self-supporting microstretched aluminium mesh.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012):	G4
AVERAGE gravimetric efficiency:	95%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	90%
INITIAL pressure drop:	70 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
RECOMMENDED frontal air speed:	0,6 - 0,8 m/s
FILTERING surface/filter surface ratio:	3:1 for 48 mm thickness
	5:1 for 98 mm thickness
OTHER available efficiencies	M5 - M6 - F7 - F8

SELECTION CHART				
Length [mm]	**Width [mm]**	**Thickness [mm]**	**Filtering Surface [m^2]**	**Nominal Flow Rate [m^3/h]**
400	500	48	0,54	1.300
400	625		0,68	1.600
500	500		0,68	1.600
500	625		0,84	2.000
592	592		0,95	2.250
287	592		0,46	1.100
400	500	98 (on request)	1,08	2.600
400	625		1,36	5.200
500	500		1,36	3.200
500	625		1,68	4.000
592	592		1,90	4.500
287	592		0,92	2.200

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FILTERING MEDIA
The filtering media is made up of pleated polyester with aluminium mesh.

APPLICATIONS
Prefiltration of high-efficiency filters, filtration in painting booths.

PRODUCT DISPOSAL
Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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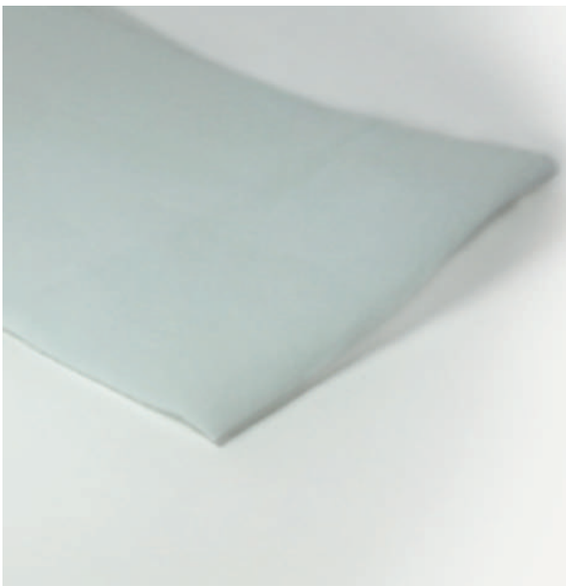
APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

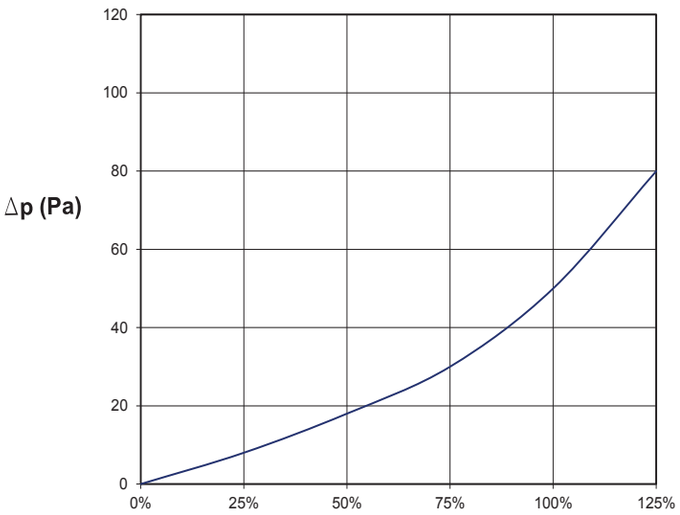


Rotafil

Filtering septum in AT/R210 series resin-bonded and laminated synthetic polyester fibre with support in treated polyester mesh with a basis weight of 210 g/m2 and a thickness of 10 mm. The adhesive resin on the material and the fibre structure ensure high dust collection and retention efficiency. The length of the filter mat is 15 lm. The core around which the filter mat is wrapped consists of a hollow galvanised steel tube (cardboard core on request)..

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	87%
FILTER FABRIC basic weight:	210 gr/m2
THICKNESS:	10 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	90%
INITIAL pressure drop:	50 Pa
RECOMMENDED final pressure drop:	200 Pa
MAXIMUM pressure drop:	300 Pa
DUST ACCUMULATION capacity:	350 gr/m2
RECOMMENDED frontal air speed:	2,5 m/s
FIRE reaction	Class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART
MATIC
MATIC-E
MAGLIANO

PRESSURE DROP DIAGRAM

(Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

APPLICATIONS

Prefiltration in high-efficiency filters in civil and industrial ventilation and air-conditioning systems, coarse and fine dust filtration.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part..The CER code for disposal of the metal part is 120101. The CER code for the filtering part is 150202.

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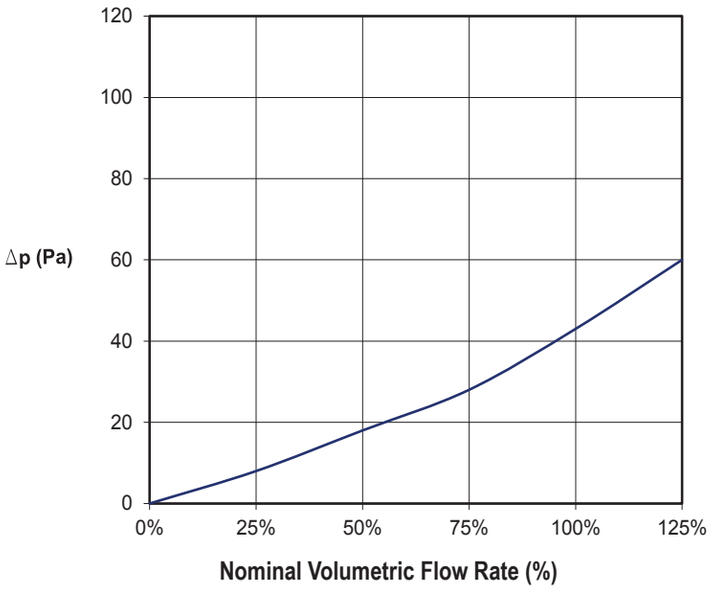
Soft Pocket 14TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 200 g/m2 polyester fibre with progressive density on the air outlet side. Efficiency class G4.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS:	20-22 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	351 gr/mq
RECOMMENDED frontal air speed:	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m²]	Filtering Surface [m³/h]
14TF/3.290.3	290 X 595 X 360	3	1.650	1,3
14TF/5.490.3	490 X 595 X 360	5	2.750	2,1
14TF/6.595.3	595 X 595 X 360	6	3.300	2,6
14TF/3.290.5	290 X 595 X 500	3	2.300	1,8
14TF/5.490.5	490 X 595 X 500	5	3.800	3,0
14TF/6.595.5	595 X 595 X 500	6	4.500	3,6

Note: Also available with 620mm depth

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The filtering media is made up of polyester fibre with progressive density on the air outlet side. The chemical-physical nature of the fibres and the separators welded to the inside of each bag ensure low pressure drops, maximum efficiency, maximum accumulation capacity and a larger filtering surface.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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BREEAM

Contributes to credits:
MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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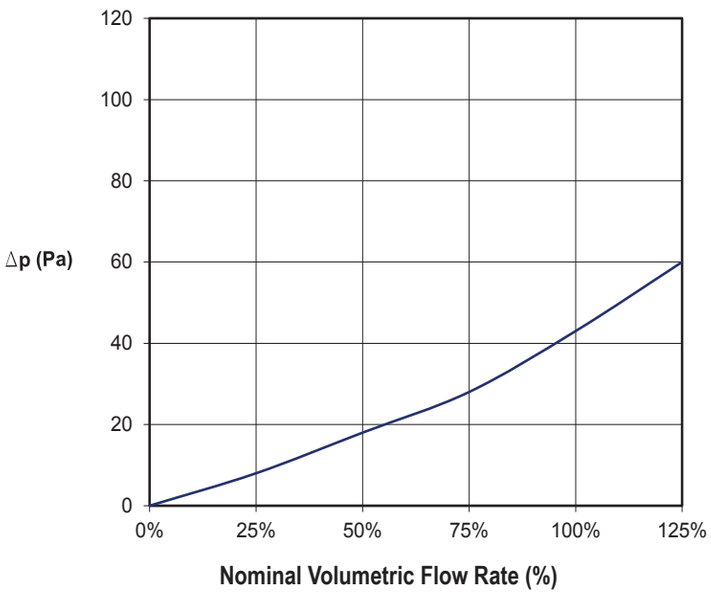
Soft Pocket 24TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 200 g/m2 polyester fibre with progressive density on the air outlet side. Efficiency class G4.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS:	20-22 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	351 gr/mq
RECOMMENDED frontal air speed:	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m²]	Filtering Surface [m³/h]
24TF/4.290.5	290 x 595 x 500	4	3.150	2,6
24TF/6.490.5	490 x 595 x 500	6	5.050	4,0
24TF/7.595.5	595 x 595 x 500	7	5.900	4,7
24TF/4.290.6	290 x 595 x 600	4	4.050	3,2
24TF/6.490.6	490 x 595 x 600	6	6.000	4,8
24TF/7.595.6	595 x 595 x 600	7	7.100	5,6

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The filtering media is composed of polyester fibre with progressive density on the air outlet side. The chemical physical nature of the fibres and the separators welded to the inside of each bag ensure low pressure drops, maximum accumulation capacity and a larger filtering surface.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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IP, EA, MR

WELL

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AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

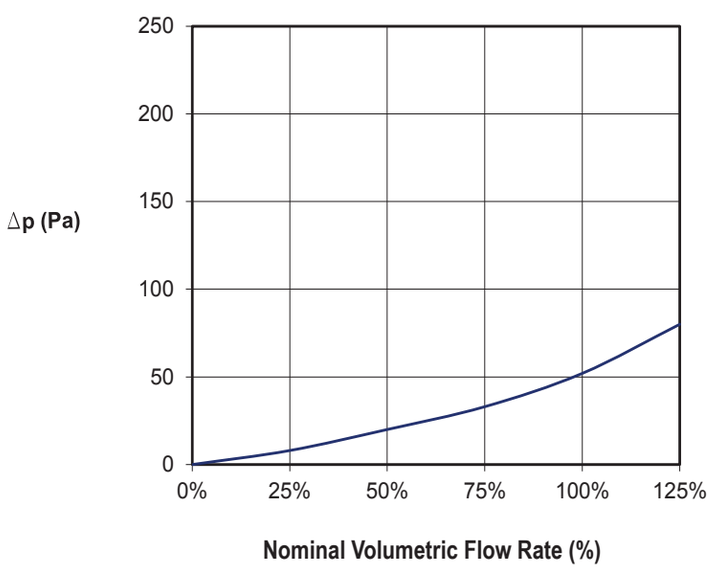
*On request

Soft Pocket 15TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 200 g/m2 polyester fibre with progressive density on the air outlet side. Efficiency class M5.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 60%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS:	10-12 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	58 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	730 gr/mq
RECOMMENDED frontal air speed:	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class B2 - (DIN4102/1)
	class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m²]	Filtering Surface [m³/h]
15TF/3.290.3	290 X 595 X 360	3	1.650	1,3
15TF/5.490.3	490 X 595 X 360	5	2.750	2,1
15TF/6.595.3	595 X 595 X 360	6	3.300	2,6
15TF/3.290.5	290 X 595 X 500	3	2.300	1,8
15TF/5.490.5	490 X 595 X 500	5	3.800	3,0
15TF/6.595.5	595 X 595 X 500	6	4.500	3,6

Note: Also available with 620mm depth

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The filtering media is composed of polyester fibre with progressive density on the air outlet side. The chemical physical nature of the fibres and the separators welded to the inside of each bag ensure low pressure drops.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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WELL

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AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

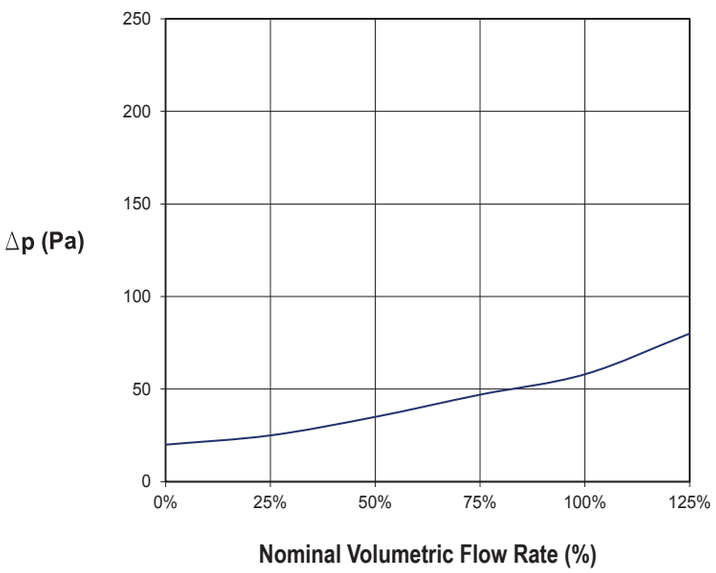
*On request

Soft Pocket 25TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 200 g/m2 polyester fibre with progressive density on the air outlet side. Efficiency class M5.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 60%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS:	10-12 mm
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	58 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	730 gr/mq
RECOMMENDED frontal air speed:	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class B2 - (DIN4102/1)
	class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m²]	Filtering Surface [m³/h]
25TF/4.290.5	290 x 595 x 500	4	3.150	2,6
25TF/6.490.5	490 x 595 x 500	6	5.050	4,0
25TF/7.595.5	595 x 595 x 500	7	5.900	4,7
25TF/4.290.6	290 x 595 x 600	4	4.050	3,2
25TF/6.490.6	490 x 595 x 600	6	6.000	4,8
25TF/7.595.6	595 x 595 x 600	7	7.100	5,6

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

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APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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BREEAM

Contributes to credits:
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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

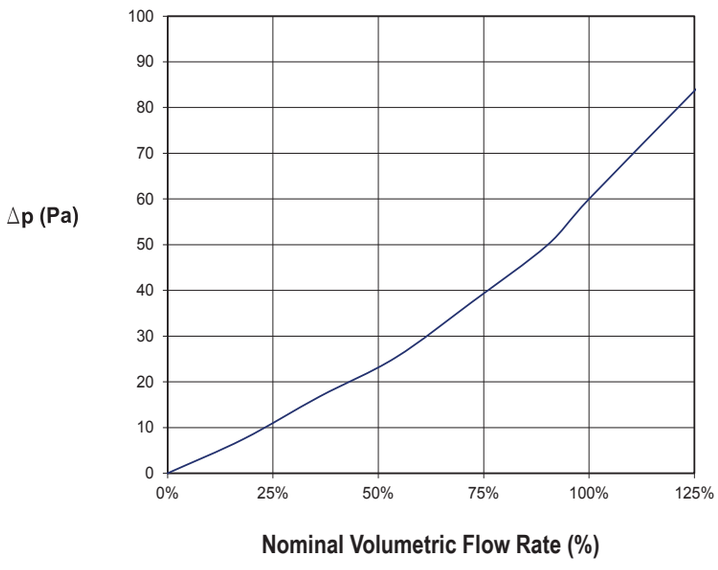
*On request

Soft Pocket 16TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class M6.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR	Green
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 60%
EFFICIENCY class (CEN EN779-2012)	M6
AVERAGE colorimetric efficiency:	60-65%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	60 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	100 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction	class F1 - (DIN53438/3)

Pressure Drops



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Model [code]	Dimensions Wx D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
16TF/3.290.3	290 X 595 X 380	3	750	1,4
16TF/4.290.3	290 X 595 X 380	4	1.000	1,8
16TF/5.290.3	290 X 595 X 380	5	1.250	2,3
16TF/6.290.3	290 X 595 X 380	6	1.500	2,7
16TF/5.490.3	490 X 595 X 380	5	1.250	2,3
16TF/6.490.3	490 X 595 X 380	6	1.500	2,7
16TF/8.490.3	490 X 595 X 380	8	2.000	3,6
16TF/10.490.3	490 X 595 X 380	10	2.450	4,5
16TF/6.595.3	595 X 595 X 380	6	1.500	2,7
16TF/8.595.3	595 X 595 X 380	8	2.000	3,6
16TF/10.595.3	595 X 595 X 380	10	2.450	4,5
16TF/12.595.3	595 X 595 X 380	12	2.950	5,4
16TF/3.290.5	290 X 595 X 550	3	1.100	2,0
16TF/4.290.5	290 X 595 X 550	4	1.450	2,6
16TF/5.290.5	290 X 595 X 550	5	1.800	3,3
16TF/6.290.5	290 X 595 X 550	6	2.150	3,9
16TF/5.490.5	490 X 595 X 550	5	1.800	3,3
16TF/6.490.5	490 X 595 X 550	6	2.150	3,9
16TF/8.490.5	490 X 595 X 550	8	2.850	5,2
16TF/10.490.5	490 X 595 X 550	10	3.550	6,5
16TF/6.595.5	595 X 595 X 550	6	2.150	3,9
16TF/8.595.5	595 X 595 X 550	8	2.850	5,2
16TF/10.595.5	595 X 595 X 550	10	3.550	6,5
16TF/12.595.5	595 X 595 X 550	12	4.250	7,9
16TF/3.290.6	290 X 595 X 650	3	1.300	2,3
16TF/4.290.6	290 X 595 X 650	4	1.700	3,1
16TF/5.290.6	290 X 595 X 650	5	2.100	3,9
16TF/6.290.6	290 X 595 X 650	6	2.550	4,6
16TF/5.490.6	490 X 595 X 650	5	2.100	3,9
16TF/6.490.6	490 X 595 X 650	6	2.550	4,6

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
16TF/8.490.6	490 X 595 X 650	8	3.350	6,2
16TF/10.490.6	490 X 595 X 650	10	4.200	7,7
16TF/6.595.6	595 X 595 X 650	6	2.550	4,6
16TF/8.595.6	595 X 595 X 650	8	3.350	6,2
16TF/10.595.6	595 X 595 X 650	10	4.200	7,7
16TF/12.595.6	595 X 595 X 650	12	5.050	9,3
16TF/3.290.7	290 X 595 X 737	3	1.450	2,6
16TF/4.290.7	290 X 595 X 737	4	1.900	3,5
16TF/5.290.7	290 X 595 X 737	5	2.400	4,4
16TF/6.290.7	290 X 595 X 737	6	2.850	5,3
16TF/5.490.7	490 X 595 X 737	5	2.400	4,4
16TF/6.490.7	490 X 595 X 737	6	2.850	5,3
16TF/8.490.7	490 X 595 X 737	8	3.800	7,0
16TF/10.490.7	490 X 595 X 737	10	4.750	8,8
16TF/6.595.7	595 X 595 X 737	6	2.850	5,3
16TF/8.595.7	595 X 595 X 737	8	3.800	7,0
16TF/10.595.7	595 X 595 X 737	10	4.750	8,8
16TF/12.595.7	595 X 595 X 737	12	5.700	10,5
16TF/3.290.9	290 X 595 X 915	3	1.800	3,3
16TF/4.290.9	290 X 595 X 915	4	2.400	4,4
16TF/5.290.9	290 X 595 X 915	5	2.950	5,4
16TF/6.290.9	290 X 595 X 915	6	3.550	6,5
16TF/5.490.9	490 X 595 X 915	5	2.950	5,4
16TF/6.490.9	490 X 595 X 915	6	3.550	6,5
16TF/8.490.9	490 X 595 X 915	8	4.750	8,7
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16TF/10.595.9	595 X 595 X 915	10	5.900	10,9
16TF/12.595.9	595 X 595 X 915	12	7.100	13,1

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FILTERING MEDIA

Progressive, thermobonded. The chemical physical nature of the fibres and the sealing technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Industrial installations for welding fumes suction and filtration of light oily fumes with appropriate metallic prefiltration. Prefiltration of high-efficiency filters

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

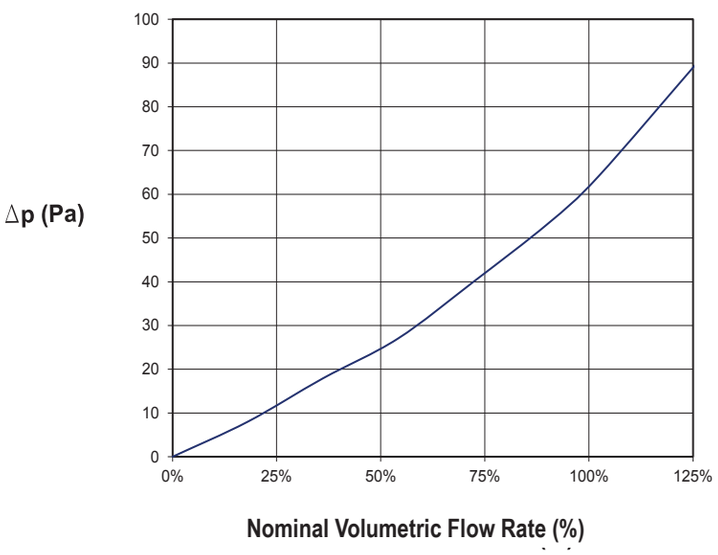
*On request

Soft Pocket 17TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class F7.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	Red
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 85%
EFFICIENCY class (CEN EN779-2012)	F7
AVERAGE colorimetric efficiency:	80-85%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	64 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	100 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
17TF/3.290.3	290 X 595 X 380	3	750	1,4
17TF/4.290.3	290 X 595 X 380	4	1.000	1,8
17TF/5.290.3	290 X 595 X 380	5	1.250	2,3
17TF/6.290.3	290 X 595 X 380	6	1.500	2,7
17TF/5.490.3	490 X 595 X 380	5	1.250	2,3
17TF/6.490.3	490 X 595 X 380	6	1.500	2,7
17TF/8.490.3	490 X 595 X 380	8	2.000	3,6
17TF/10.490.3	490 X 595 X 380	10	2.450	4,5
17TF/6.595.3	595 X 595 X 380	6	1.500	2,7
17TF/8.595.3	595 X 595 X 380	8	2.000	3,6
17TF/10.595.3	595 X 595 X 380	10	2.450	4,5
17TF/12.595.3	595 X 595 X 380	12	2.950	5,4
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17TF/5.290.5	290 X 595 X 550	5	1.800	3,3
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17TF/6.490.5	490 X 595 X 550	6	2.150	3,9
17TF/8.490.5	490 X 595 X 550	8	2.850	5,2
17TF/10.490.5	490 X 595 X 550	10	3.550	6,5
17TF/6.595.5	595 X 595 X 550	6	2.150	3,9
17TF/8.595.5	595 X 595 X 550	8	2.850	5,2
17TF/10.595.5	595 X 595 X 550	10	3.550	6,5
17TF/12.595.5	595 X 595 X 550	12	4.250	7,9
17TF/3.290.6	290 X 595 X 650	3	1.300	2,3
17TF/4.290.6	290 X 595 X 650	4	1.700	3,1
17TF/5.290.6	290 X 595 X 650	5	2.100	3,9
17TF/6.290.6	290 X 595 X 650	6	2.550	4,6
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17TF/6.490.6	490 X 595 X 650	6	2.550	4,6

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17TF/10.595.6	595 X 595 X 650	10	4.200	7,7
17TF/12.595.6	595 X 595 X 650	12	5.050	9,3
17TF/3.290.7	290 X 595 X 737	3	1.450	2,6
17TF/4.290.7	290 X 595 X 737	4	1.900	3,5
17TF/5.290.7	290 X 595 X 737	5	2.400	4,4
17TF/6.290.7	290 X 595 X 737	6	2.850	5,3
17TF/5.490.7	490 X 595 X 737	5	2.400	4,4
17TF/6.490.7	490 X 595 X 737	6	2.850	5,3
17TF/8.490.7	490 X 595 X 737	8	3.800	7,0
17TF/10.490.7	490 X 595 X 737	10	4.750	8,8
17TF/6.595.7	595 X 595 X 737	6	2.850	5,3
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17TF/10.595.7	595 X 595 X 737	10	4.750	8,8
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17TF/3.290.9	290 X 595 X 915	3	1.800	3,3
17TF/4.290.9	290 X 595 X 915	4	2.400	4,4
17TF/5.290.9	290 X 595 X 915	5	2.950	5,4
17TF/6.290.9	290 X 595 X 915	6	3.550	6,5
17TF/5.490.9	490 X 595 X 915	5	2.950	5,4
17TF/6.490.9	490 X 595 X 915	6	3.550	6,5
17TF/8.490.9	490 X 595 X 915	8	4.750	8,7
17TF/10.490.9	490 X 595 X 915	10	5.900	10,9
17TF/6.595.9	595 X 595 X 915	6	3.550	6,5
17TF/8.595.9	595 X 595 X 915	8	4.750	8,7
17TF/10.595.9	595 X 595 X 915	10	5.900	10,9
17TF/12.595.9	595 X 595 X 915	12	7.100	13,1

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FILTERING MEDIA

The filtering media is composed of 100% thermobonded polypropylene fibre with progressive density. The chemical physical nature of the fibres and the sealing technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR, IN

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

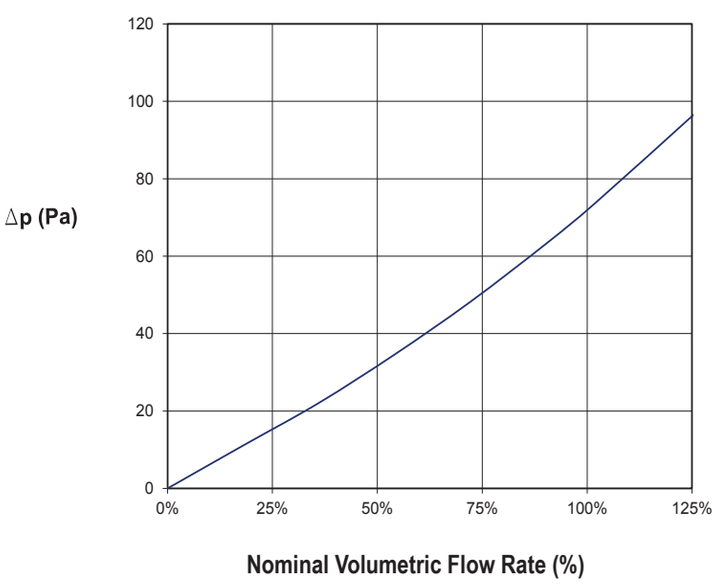
*On request

Soft Pocket 18TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class F8.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	Yellow
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM2,5 65%
EFFICIENCY class (CEN EN779-2012)	F8
AVERAGE colorimetric efficiency:	90-95%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	74 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	66 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
18TF/3.290.3	290 X 595 X 380	3	750	1,4
18TF/4.290.3	290 X 595 X 380	4	1.000	1,8
18TF/5.290.3	290 X 595 X 380	5	1.250	2,3
18TF/6.290.3	290 X 595 X 380	6	1.500	2,7
18TF/5.490.3	490 X 595 X 380	5	1.250	2,3
18TF/6.490.3	490 X 595 X 380	6	1.500	2,7
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18TF/10.490.3	490 X 595 X 380	10	2.450	4,5
18TF/6.595.3	595 X 595 X 380	6	1.500	2,7
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18TF/5.290.5	290 X 595 X 550	5	1.800	3,3
18TF/6.290.5	290 X 595 X 550	6	2.150	3,9
18TF/5.490.5	490 X 595 X 550	5	1.800	3,3
18TF/6.490.5	490 X 595 X 550	6	2.150	3,9
18TF/8.490.5	490 X 595 X 550	8	2.850	5,2
18TF/10.490.5	490 X 595 X 550	10	3.550	6,5
18TF/6.595.5	595 X 595 X 550	6	2.150	3,9
18TF/8.595.5	595 X 595 X 550	8	2.850	5,2
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18TF/12.595.5	595 X 595 X 550	12	4.250	7,9
18TF/3.290.6	290 X 595 X 650	3	1.300	2,3
18TF/4.290.6	290 X 595 X 650	4	1.700	3,1
18TF/5.290.6	290 X 595 X 650	5	2.100	3,9
18TF/6.290.6	290 X 595 X 650	6	2.550	4,6
18TF/5.490.6	490 X 595 X 650	5	2.100	3,9
18TF/6.490.6	490 X 595 X 650	6	2.550	4,6

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18TF/8.490.6	490 X 595 X 650	8	3.350	6,2
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18TF/4.290.9	290 X 595 X 915	4	2.400	4,4
18TF/5.290.9	290 X 595 X 915	5	2.950	5,4
18TF/6.290.9	290 X 595 X 915	6	3.550	6,5
18TF/5.490.9	490 X 595 X 915	5	2.950	5,4
18TF/6.490.9	490 X 595 X 915	6	3.550	6,5
18TF/8.490.9	490 X 595 X 915	8	4.750	8,7
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18TF/6.595.9	595 X 595 X 915	6	3.550	6,5
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BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

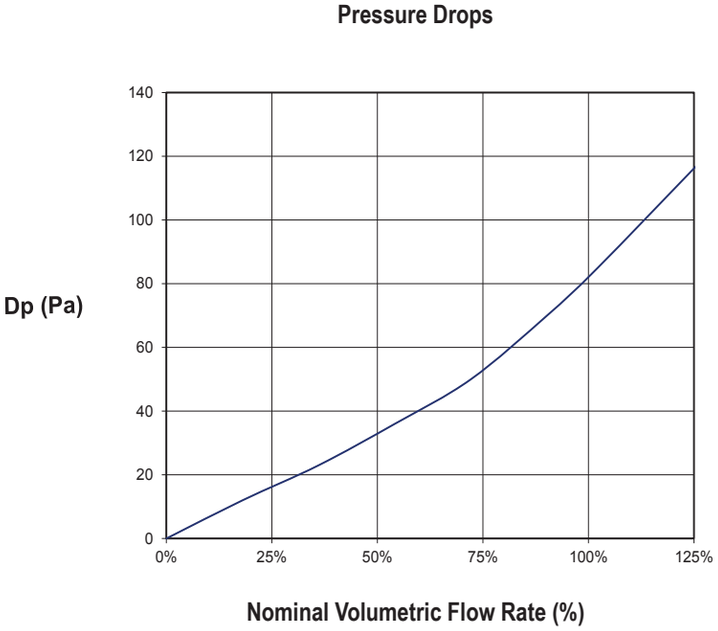
OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

Soft Pocket 19TF

Soft synthetic pocket filter with U-section galvanised steel frame and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class F9.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	White
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 70%
EFFICIENCY class (CEN EN779-2012)	F9
AVERAGE colorimetric efficiency:	> 95%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	85 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	30 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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19TF/6.490.5	490 X 595 X 550	6	2.150	3,9
19TF/8.490.5	490 X 595 X 550	8	2.850	5,2
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19TF/6.595.5	595 X 595 X 550	6	2.150	3,9
19TF/8.595.5	595 X 595 X 550	8	2.850	5,2
19TF/10.595.5	595 X 595 X 550	10	3.550	6,5
19TF/12.595.5	595 X 595 X 550	12	4.250	7,9
19TF/3.290.6	290 X 595 X 650	3	1.300	2,3
19TF/4.290.6	290 X 595 X 650	4	1.700	3,1
19TF/5.290.6	290 X 595 X 650	5	2.100	3,9
19TF/6.290.6	290 X 595 X 650	6	2.550	4,6
19TF/5.490.6	490 X 595 X 650	5	2.100	3,9
19TF/6.490.6	490 X 595 X 650	6	2.550	4,6

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
19TF/8.490.6	490 X 595 X 650	8	3.350	6,2
19TF/10.490.6	490 X 595 X 650	10	4.200	7,7
19TF/6.595.6	595 X 595 X 650	6	2.550	4,6
19TF/8.595.6	595 X 595 X 650	8	3.350	6,2
19TF/10.595.6	595 X 595 X 650	10	4.200	7,7
19TF/12.595.6	595 X 595 X 650	12	5.050	9,3
19TF/3.290.7	290 X 595 X 737	3	1.450	2,6
19TF/4.290.7	290 X 595 X 737	4	1.900	3,5
19TF/5.290.7	290 X 595 X 737	5	2.400	4,4
19TF/6.290.7	290 X 595 X 737	6	2.850	5,3
19TF/5.490.7	490 X 595 X 737	5	2.400	4,4
19TF/6.490.7	490 X 595 X 737	6	2.850	5,3
19TF/8.490.7	490 X 595 X 737	8	3.800	7,0
19TF/10.490.7	490 X 595 X 737	10	4.750	8,8
19TF/6.595.7	595 X 595 X 737	6	2.850	5,3
19TF/8.595.7	595 X 595 X 737	8	3.800	7,0
19TF/10.595.7	595 X 595 X 737	10	4.750	8,8
19TF/12.595.7	595 X 595 X 737	12	5.700	10,5
19TF/3.290.9	290 X 595 X 915	3	1.800	3,3
19TF/4.290.9	290 X 595 X 915	4	2.400	4,4
19TF/5.290.9	290 X 595 X 915	5	2.950	5,4
19TF/6.290.9	290 X 595 X 915	6	3.550	6,5
19TF/5.490.9	490 X 595 X 915	5	2.950	5,4
19TF/6.490.9	490 X 595 X 915	6	3.550	6,5
19TF/8.490.9	490 X 595 X 915	8	4.750	8,7
19TF/10.490.9	490 X 595 X 915	10	5.900	10,9
19TF/6.595.9	595 X 595 X 915	6	3.550	6,5
19TF/8.595.9	595 X 595 X 915	8	4.750	8,7
19TF/10.595.9	595 X 595 X 915	10	5.900	10,9
19TF/12.595.9	595 X 595 X 915	12	7.100	13,1

TECNICA™ Efficient Indoor Air Project

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FILTERING MEDIA

The filtering media is composed of 100% thermobonded polypropylene fibre with progressive density. The chemical physical nature of the fibres and the sealing technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR, IN

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

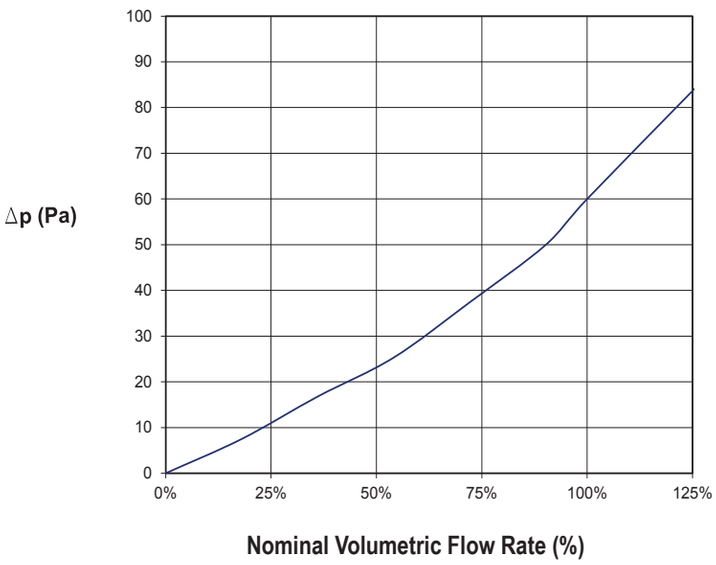
*On request

ECO Pocket 16EP

Soft synthetic pocket filter with incinerable plastic frame divided into two parts and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class M6.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	Green
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 60%
EFFICIENCY class (CEN EN779-2012)	M6
AVERAGE colorimetric efficiency:	60-65%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	60 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	100 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
16EP/3.290.3	290 X 595 X 380	3	750	1,4
16EP/4.290.3	290 X 595 X 380	4	1.000	1,8
16EP/6.595.3	595 X 595 X 380	6	1.500	2,7
16EP/8.595.3	595 X 595 X 380	8	2.000	3,6
16EP/10.595.3	595 X 595 X 380	10	2.450	4,5
16EP/3.290.5	290 X 595 X 550	3	1.100	2,0
16EP/4.290.5	290 X 595 X 550	4	1.450	2,6
16EP/6.595.5	595 X 595 X 550	6	2.150	3,9
16EP/8.595.5	595 X 595 X 550	8	2.850	5,2
16EP/10.595.5	595 X 595 X 550	10	3.550	6,5
16EP/3.290.6	290 X 595 X 650	3	1.300	2,3
16EP/4.290.6	290 X 595 X 650	4	1.700	3,1
16EP/6.595.6	595 X 595 X 650	6	2.550	4,6
16EP/8.595.6	595 X 595 X 650	8	3.350	6,2
16EP/10.595.6	595 X 595 X 650	10	4.200	7,7
16EP/3.290.7	290 X 595 X 737	3	1.450	2,6
16EP/4.290.7	290 X 595 X 737	4	1.900	3,5
16EP/6.595.7	595 X 595 X 737	6	2.850	5,3
16EP/8.595.7	595 X 595 X 737	8	3.800	7,0
16EP/10.595.7	595 X 595 X 737	10	4.750	8,8
16EP/3.290.9	290 X 595 X 915	3	1.800	3,3
16EP/4.290.9	290 X 595 X 915	4	2.400	4,4
16EP/6.595.9	595 X 595 X 915	6	3.550	6,5
16EP/8.595.9	595 X 595 X 915	8	4.750	8,7
16EP/10.595.9	595 X 595 X 915	10	5.900	10,9

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FILTERING MEDIA

The filtering media is made up of 100% thermobonded polypropylene fibre with progressive density. The chemical physical nature of the fibres and the welding technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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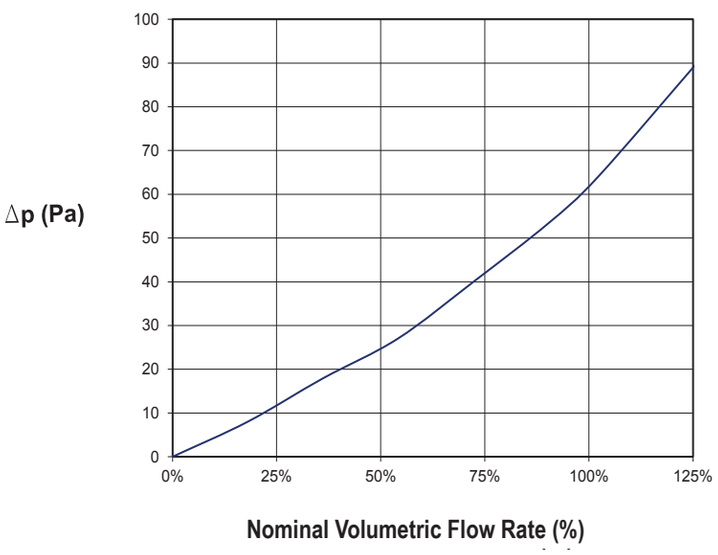
ECO Pocket 17EP

Soft synthetic pocket filter with incinerable plastic frame divided into two parts and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class F7.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	Red
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 85%
EFFICIENCY class (CEN EN779-2012)	F7
AVERAGE colorimetric efficiency:	80-85%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	64 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	85 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
17EP/3.290.3	290 X 595 X 380	3	750	1,4
17EP/4.290.3	290 X 595 X 380	4	1000	1,8
17EP/6.595.3	595 X 595 X 380	6	1500	2,7
17EP/8.595.3	595 X 595 X 380	8	2000	3,6
17EP/10.595.3	595 X 595 X 380	10	2450	4,5
17EP/3.290.5	290 X 595 X 550	3	1100	2,0
17EP/4.290.5	290 X 595 X 550	4	1450	2,6
17EP /6.595.5	595 X 595 X 550	6	2150	3,9
17EP /8.595.5	595 X 595 X 550	8	2850	5,2
17 EP/10.595.5	595 X 595 X 550	10	3550	6,5
17EP/3.290.6	290 X 595 X 650	3	1300	2,3
17EP/4.290.6	290 X 595 X 650	4	1700	3,1
17EP/6.595.6	595 X 595 X 650	6	2550	4,6
17EP/8.595.6	595 X 595 X 650	8	3350	6,2
17EP/10.595.6	595 X 595 X 650	10	4200	7,7
17EP/3.290.7	290 X 595 X 737	3	1450	2,6
17EP/4.290.7	290 X 595 X 737	4	1900	3,5
17EP/6.595.7	595 X 595 X 737	6	2850	5,3
17EP/8.595.7	595 X 595 X 737	8	3800	7,0
17EP/10.595.7	595 X 595 X 737	10	4750	8,8
17EP/3.290.9	290 X 595 X 915	3	1800	3,3
17EP/4.290.9	290 X 595 X 915	4	2400	4,4
17EP/6.595.9	595 X 595 X 915	6	3550	6,5
17EP/8.595.9	595 X 595 X 915	8	4750	8,7
17EP/10.595.9	595 X 595 X 915	10	5900	10,9

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FILTERING MEDIA

The filtering media is made up of 100% thermobonded polypropylene fibre with progressive density. The chemical physical nature of the fibres and the welding technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR, IN

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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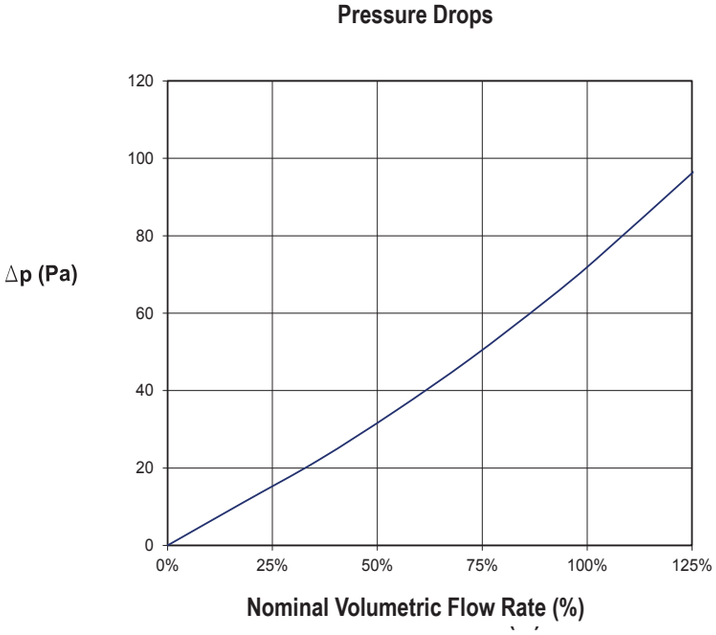
ECO Pocket 18EP

Soft synthetic pocket filter with incinerable plastic frame divided into two parts and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class F8.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	Yellow
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM2,5 65%
EFFICIENCY class (CEN EN779-2012)	F8
AVERAGE colorimetric efficiency:	90-95%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	74 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	66 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
18EP/3.290.3	290 X 595 X 380	3	750	1,4
18EP/4.290.3	290 X 595 X 380	4	1.000	1,8
18EP/6.595.3	595 X 595 X 380	6	1.500	2,7
18EP/8.595.3	595 X 595 X 380	8	2.000	3,6
18EP/10.595.3	595 X 595 X 380	10	2.450	4,5
18EP/3.290.5	290 X 595 X 550	3	1.100	2,0
18EP/4.290.5	290 X 595 X 550	4	1.450	2,6
18EP/6.595.5	595 X 595 X 550	6	2.150	3,9
18EP/8.595.5	595 X 595 X 550	8	2.850	5,2
18EP/10.595.5	595 X 595 X 550	10	3.550	6,5
18EP/3.290.6	290 X 595 X 650	3	1.300	2,3
18EP/4.290.6	290 X 595 X 650	4	1.700	3,1
18EP/6.595.6	595 X 595 X 650	6	2.550	4,6
18EP/8.595.6	595 X 595 X 650	8	3.350	6,2
18EP/10.595.6	595 X 595 X 650	10	4.200	7,7
18EP/3.290.7	290 X 595 X 737	3	1.450	2,6
18EP/4.290.7	290 X 595 X 737	4	1.900	3,5
18EP/6.595.7	595 X 595 X 737	6	2.850	5,3
18EP/8.595.7	595 X 595 X 737	8	3.800	7,0
18EP/10.595.7	595 X 595 X 737	10	4.750	8,8
18EP/3.290.9	290 X 595 X 915	3	1.800	3,3
18EP/4.290.9	290 X 595 X 915	4	2.400	4,4
18EP/6.595.9	595 X 595 X 915	6	3.550	6,5
18EP/8.595.9	595 X 595 X 915	8	4.750	8,7
18EP/10.595.9	595 X 595 X 915	10	5.900	10,9

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FILTERING MEDIA

The filtering media is made up of 100% thermobonded polypropylene fibre with progressive density. The chemical physical nature of the fibres and the welding technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS

Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR, IN

WELL

Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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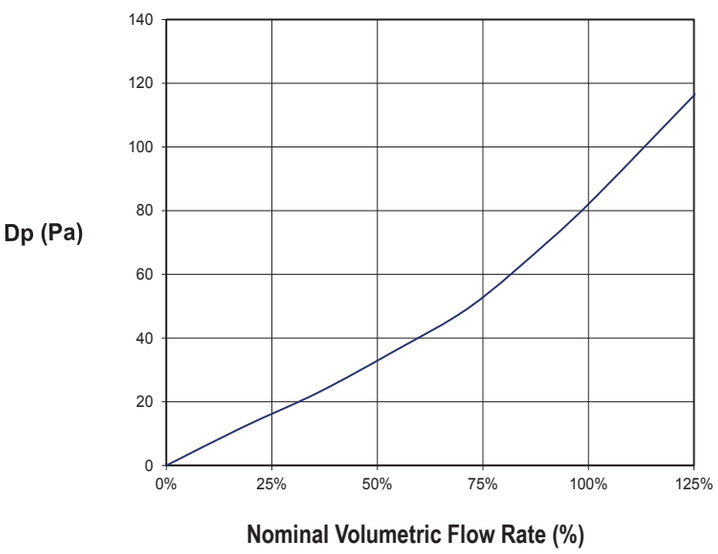
ECO Pocket 19EP

Soft synthetic pocket filter with incinerable plastic frame divided into two parts and filter bags in 100% thermobonded polypropylene fibre with progressive density. Efficiency class F9.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
COLOUR:	White
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 70%
EFFICIENCY class (CEN EN779-2012)	F9
AVERAGE colorimetric efficiency:	> 95%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	85 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	800 Pa
DUST ACCUMULATION capacity:	30 gr/mq
RECOMMENDED frontal air speed:	0,15 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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SELECTION CHART				
Model [code]	Dimensions W x D x H [mm]	Pockets [n]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
19EP/3.290.3	290 X 595 X 380	3	750	1,4
19EP/4.290.3	290 X 595 X 380	4	1.000	1,8
19EP/6.595.3	595 X 595 X 380	6	1.500	2,7
19EP/8.595.3	595 X 595 X 380	8	2.000	3,6
19EP/10.595.3	595 X 595 X 380	10	2.450	4,5
19EP/3.290.5	290 X 595 X 550	3	1.100	2,0
19EP/4.290.5	290 X 595 X 550	4	1.450	2,6
19EP/6.595.5	595 X 595 X 550	6	2.150	3,9
19EP/8.595.5	595 X 595 X 550	8	2.850	5,2
19EP/10.595.5	595 X 595 X 550	10	3.550	6,5
19EP/3.290.6	290 X 595 X 650	3	1.300	2,3
19EP/4.290.6	290 X 595 X 650	4	1.700	3,1
19EP/6.595.6	595 X 595 X 650	6	2.550	4,6
19EP/8.595.6	595 X 595 X 650	8	3.350	6,2
19EP/10.595.6	595 X 595 X 650	10	4.200	7,7
19EP/3.290.7	290 X 595 X 737	3	1.450	2,6
19EP/4.290.7	290 X 595 X 737	4	1.900	3,5
19EP/6.595.7	595 X 595 X 737	6	2.850	5,3
19EP/8.595.7	595 X 595 X 737	8	3.800	7,0
19EP/10.595.7	595 X 595 X 737	10	4.750	8,8
19EP/3.290.9	290 X 595 X 915	3	1.800	3,3
19EP/4.290.9	290 X 595 X 915	4	2.400	4,4
19EP/6.595.9	595 X 595 X 915	6	3.550	6,5
19EP/8.595.9	595 X 595 X 915	8	4.750	8,7
19EP/10.595.9	595 X 595 X 915	10	5.900	10,9

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FILTERING MEDIA
The filtering media is made up of 100% thermobonded polypropylene fibre with progressive density. The chemical physical nature of the fibres and the welding technology ensure low pressure drops, maximum efficiency and maximum accumulation capacity.

APPLICATIONS
Filtration in air treatment units of civil buildings and in painting plants. Prefiltration of high-efficiency filters.

PRODUCT DISPOSAL
As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED
Contributes to credits:
IP, EA, MR, IN

WELL
Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM
Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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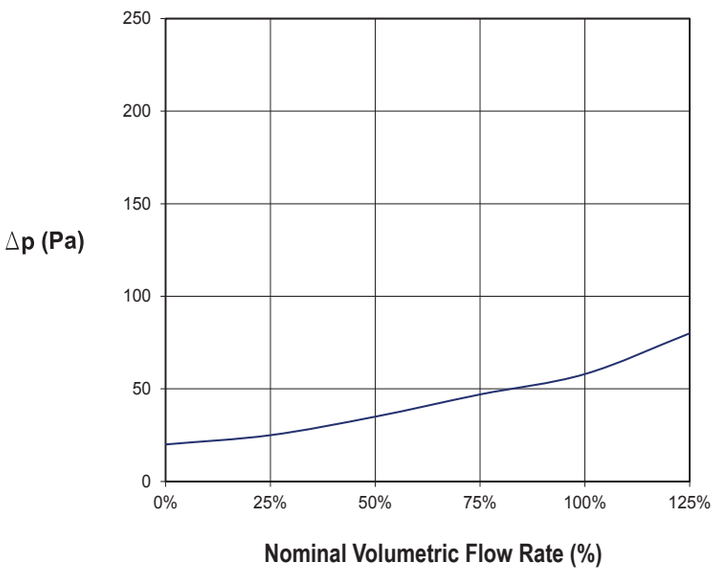
Poli-Pleat 16TR

Rigid pocket filter with high-resistance moulded polypropylene structure and pleated filter medium in 100% polypropylene with progressive density. Efficiency class M6. Completely incinerable

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 65%
EFFICIENCY class (CEN EN779-2012)	M6
AVERAGE colorimetric efficiency:	60-80%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	65 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
16PP29	290X592X292	2.125	8,5
16PP49	490X592X292	3.500	15,0
16PP59	592X592X292	4.250	18,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

TECNICA srl – Via degli Intarsiatori Rolesi 1 – 42047 Rolo (RE) tel.+39 0522 665129
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

FILTERING MEDIA

The filtering media in 100% polypropylene with progressive density is pleated and uniformly spaced out with thermoplastic polypropylene separators. This configuration allows obtaining a long-lasting filter taking up little space. The filter has been tested for a maximum resistance of 6250 Pa. The materials used in the filter are completely incinerable.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

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For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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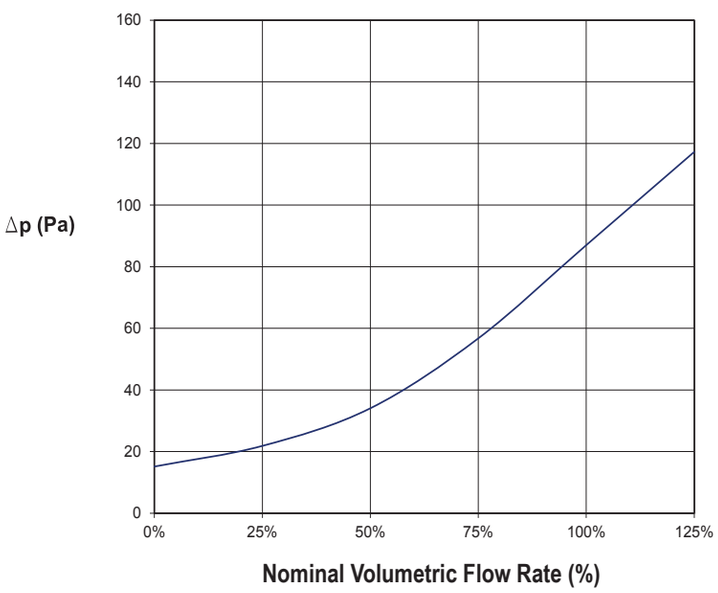
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

Poli-Pleat 17TR

Rigid pocket filters with high-resistance moulded polypropylene structure and pleated filter medium in 100% polypropylene with progressive density. Efficiency class F7. Completely incinerable

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM2,5 70%
EFFICIENCY class (CEN EN779-2012)	F7
AVERAGE colorimetric efficiency:	80-90%
MAXIMUM WORKING temperature:	13
RELATIVE humidity:	90°C
INITIAL pressure drop:	100%
RECOMMENDED final pressure drop:	87Pa
MAXIMUM pressure drop:	450 Pa
RECOMMENDED filtering speed:	1,3 X nominal flow rate
FIRE reaction:	classe F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	**Dimensions W x D x H [mm]**	**Nominal Flow Rate [m³/h]**	**Filtering Surface [m²]**
17PP29	290 X 592 X 292	2.125	8,5
17PP49	490 X 592 X 292	3.500	15,0
17PP59	592 X 592 X 292	4.250	18,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

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APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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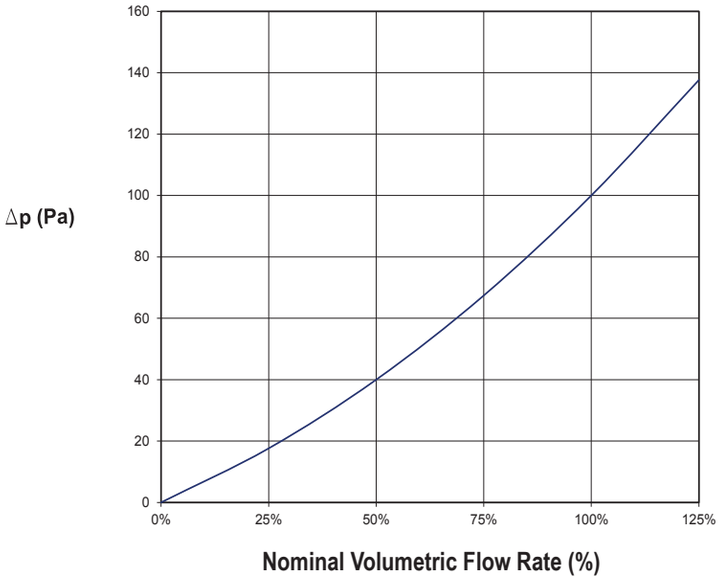
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

Poli-Pleat 18TR

Rigid pocket filters with high-resistance moulded polypropylene structure and pleated filter medium in 100% polypropylene with progressive density. Efficiency class F8. Completely incinerable

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 60%
EFFICIENCY class (CEN EN779-2012)	F8
AVERAGE colorimetric efficiency:	90-95%
MERV	14
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	100 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	**Dimensions W x D x H [mm]**	**Nominal Flow Rate [m³/h]**	**Filtering Surface [m²]**
18PP29	290X592X292	2.125	8,5
18PP49	490X592X292	3.500	15,0
18PP59	592X592X292	4.250	18,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

The filtering media in 100% polypropylene with progressive density is pleated and uniformly spaced out with thermoplastic polypropylene separators. This configuration allows obtaining a long-lasting filter taking up little space. The filter has been tested for a maximum resistance of 6250 Pa. The materials used in the filter are completely incinerable.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

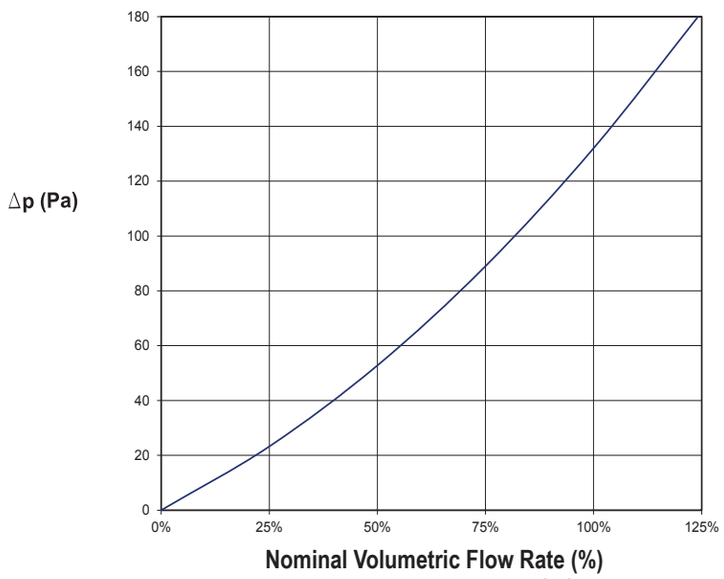
*On request

Poli-Pleat 19TR

Rigid pocket filters with high-resistance moulded polypropylene structure and pleated filter medium in 100% polypropylene with progressive density. Efficiency class F9. Completely incinerable

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 70%
EFFICIENCY class (CEN EN779-2012)	F9
AVERAGE colorimetric efficiency:	> 95%
MAXIMUM WORKING temperature:	90°C
RELATIVE humidity:	100%
INITIAL pressure drop:	132 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
19PP29	290X592X292	2.125	8,5
19PP49	490X592X292	3.500	15,0
19PP59	592X592X292	4.250	18,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

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APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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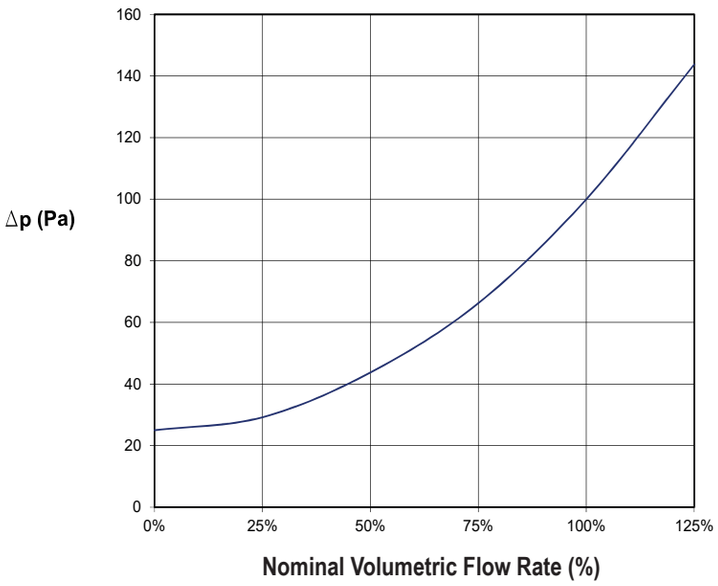
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

Glass-Pleat 16GP

Rigid pocket filters with high-resistance moulded polypropylene structure and filter medium in fireproof and water-repellent pleated micro glass fibre paper. Efficiency class M6.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 75%
EFFICIENCY class (CEN EN779-2012)	M6
AVERAGE colorimetric efficiency:	60-80%
MERV	11
MAXIMUM WORKING temperature:	80°C
RELATIVE humidity:	100%
INITIAL pressure drop:	100 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
16GP29	290 X 592 X 292	2.125	8,5
16GP49	490 X 592 X 292	3.500	15,0
16GP59	592 X 592 X 292	4.250	18,0
16GP29-7	290 X 592 X 292	2.000	7,0
16GP29-11	490 X 592 X 292	3.300	11,0
16GP29-14	592 X 592 X 292	4.000	14,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

FILTERING MEDIA
The filter fireproof and water repellent microfiber glass paper media is pleated and spaced by thermoplastic separators. The configuration allows to obtain a long-lasting and space-saving filter. The materials used in the filter are completely incinerable.

APPLICATIONS
Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL
As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

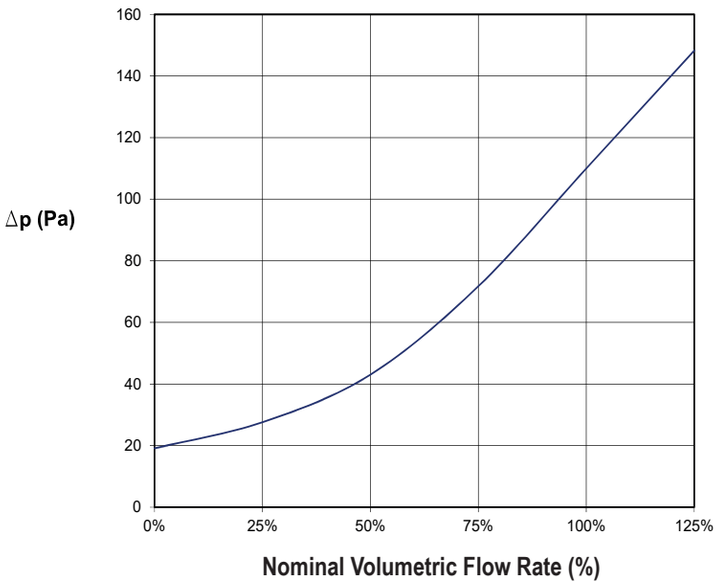
TECNICA srl – Via degli Intarsiatori Rolesi 1 – 42047 Rolo (RE) tel.+39 0522 665129
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

Glass-Pleat 17GP

Rigid pocket filters with high-resistance moulded polypropylene structure and filter medium in fireproof and water-repellent pleated micro glass fibre paper. Efficiency class F7.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 50%
EFFICIENCY class (CEN EN779-2012)	F7
AVERAGE colorimetric efficiency:	80-90%
MERV	13
MAXIMUM WORKING temperature:	80°C
RELATIVE humidity:	100%
INITIAL pressure drop:	110 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
17GP29	290 X 592 X 292	2.125	8,5
17GP49	490 X 592 X 292	3.500	15,0
17GP59	592 X 592 X 292	4.250	18,0
17GP29-7	290 X 592 X 292	2.000	7,0
17GP49-11	490 X 592 X 292	3.300	11,0
17GP59-14	592 X 592 X 292	4.000	14,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
The filter fireproof and water repellent microfiber glass paper media is pleated and spaced by thermoplastic separators. The configuration allows to obtain a long-lasting and space-saving filter. The materials used in the filter are completely incinerable.

APPLICATIONS
Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL
As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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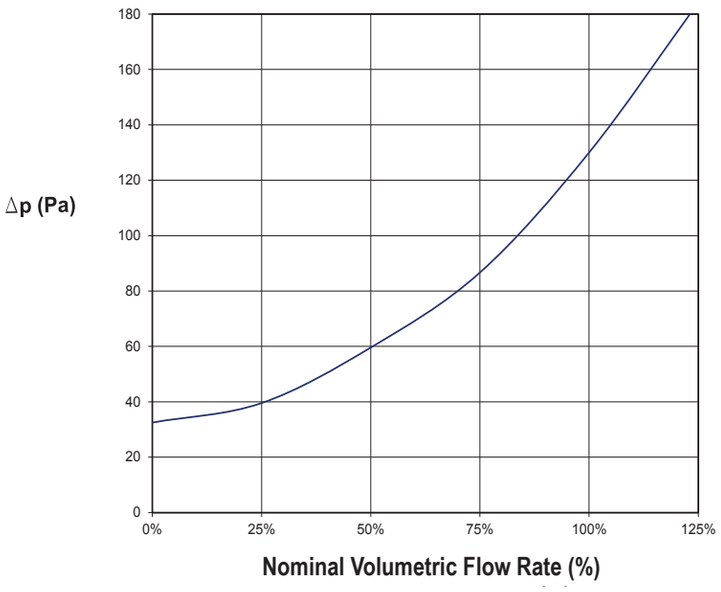
fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

Glass-Pleat 18GP

Rigid pocket filters with high-resistance moulded polypropylene structure and filter medium in fireproof and water-repellent pleated micro glass fibre paper. Efficiency class F8.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 60%
EFFICIENCY class (CEN EN779-2012)	F8
AVERAGE colorimetric efficiency:	90-95%
MERV	14
MAXIMUM WORKING temperature:	80°C
RELATIVE humidity:	100%
INITIAL pressure drop:	130 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
18GP29	290 X 592 X 292	2.125	8,5
18GP49	490 X 592 X 292	3.500	15,0
18GP59	592 X 592 X 292	4.250	18,0
18GP29-7	290 X 592 X 292	2.000	7,0
18GP49-11	490 X 592 X 292	3.300	11,0
18GP59-14	592 X 592 X 292	4.000	14,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
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APPLICATIONS
Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL
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GREEN BUILDING

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

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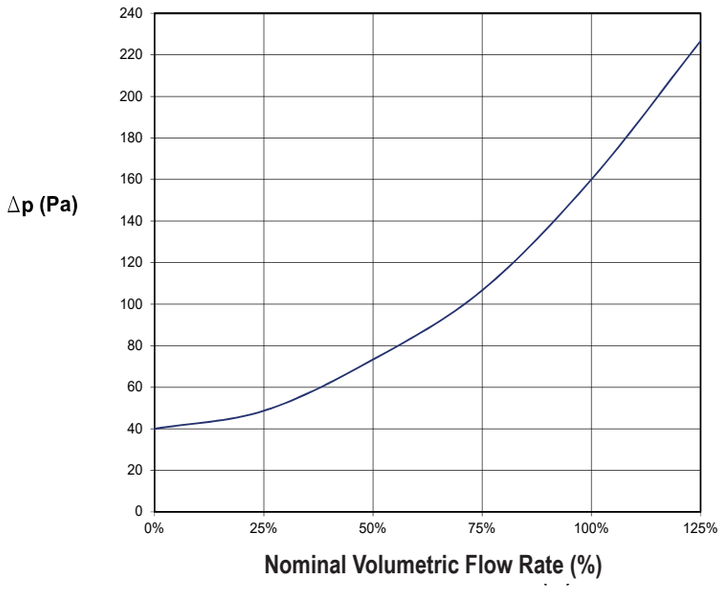
Glass-Pleat 19GP

Rigid pocket filters with high-resistance moulded polypropylene structure and filter medium in fireproof and water-repellent pleated micro glass fibre paper. Efficiency class F9.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 85%
EFFICIENCY class (CEN EN779-2012)	F9
AVERAGE colorimetric efficiency:	90-95%
MERV	14
MAXIMUM WORKING temperature:	80°C
RELATIVE humidity:	100%
INITIAL pressure drop:	160 Pa
RECOMMENDED final pressure drop:	450 Pa
MAXIMUM pressure drop:	1,3 X nominal flow rate
RECOMMENDED filtering speed:	0,065 m/s
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
19GP29	290 X 592 X 292	2.125	8,5
19GP49	490 X 592 X 292	3.500	15,0
19GP59	592 X 592 X 292	4.250	18,0
19GP29-7	290 X 592 X 292	2.000	7,0
19GP49-11	490 X 592 X 292	3.300	11,0
19GP59-14	592 X 592 X 292	4.000	14,0

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA
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APPLICATIONS
Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL
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GREEN BUILDING

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

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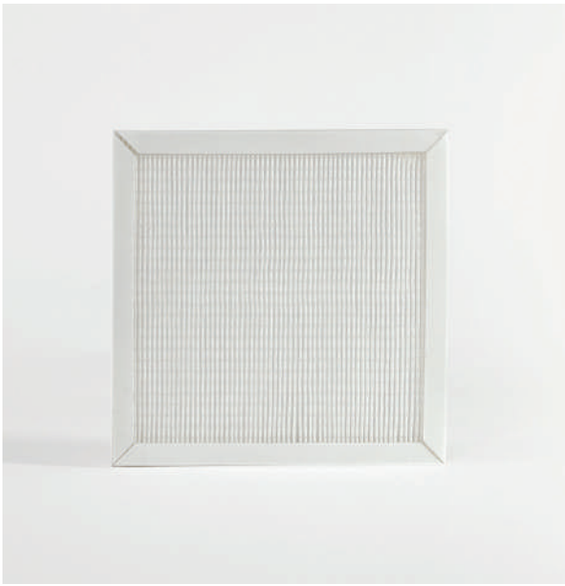


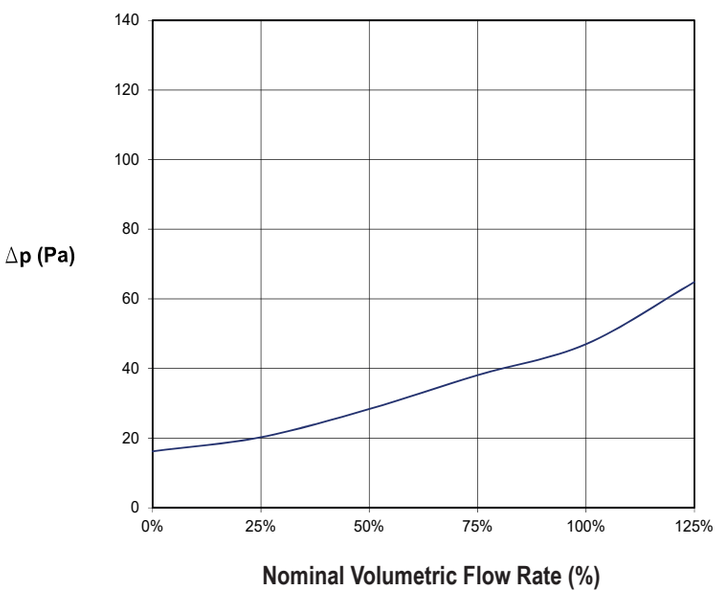
Pannel-Pleat 15PP

Filter panel with high-resistance moulded polypropylene structure and pleated filter panel in polypropylene fibres with progressive density. Efficiency class M5.

High dirt retention capacity.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 55%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE colorimetric efficiency:	40-60%
MAXIMUM WORKING temperature:	60°C
INITIAL pressure drop:	47 Pa
NOMINAL flow rate:	3.400 m3/h
	panel size 592x592x98
	frontal air speed 2,7 m/s
	average filtering speed 0,13 m/s
RECOMMENDED final pressure drop:	300 Pa
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
PP/152998	292 X 592 X 98	1.700	3,6
PP/154998	492 X 592 X 98	2.550	5,4
PP/155998	592 X 592 X 98	3.400	7,3
PP/152948	292 X 592 X 48	1.530	3,3
PP/154948	492 X 592 X 48	2.300	4,9
PP/155948	592X 592 X 48	3.100	6,6

The material can be supplied in a thickness of 23mm and 145mm.
This model can be supplied with a plastic frame complete with flange.

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

TECNICA™ Efficient Indoor Air Project

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fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

FILTERING MEDIA

Model Pannel Pleat PP

The pleated filter panel is composed of polypropylene fibres with progressive density and the pleats are uniformly spaced out with thermoplastic separators.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:

LEED

Contributes to credits:
IP, EA, MR

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Contributes to credits:
AIR, MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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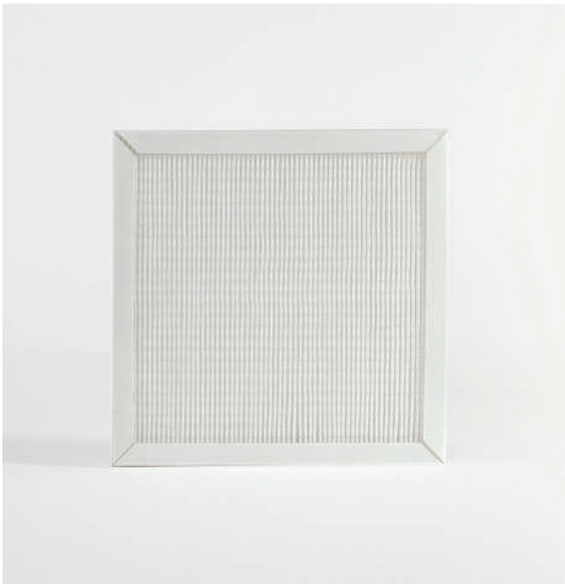


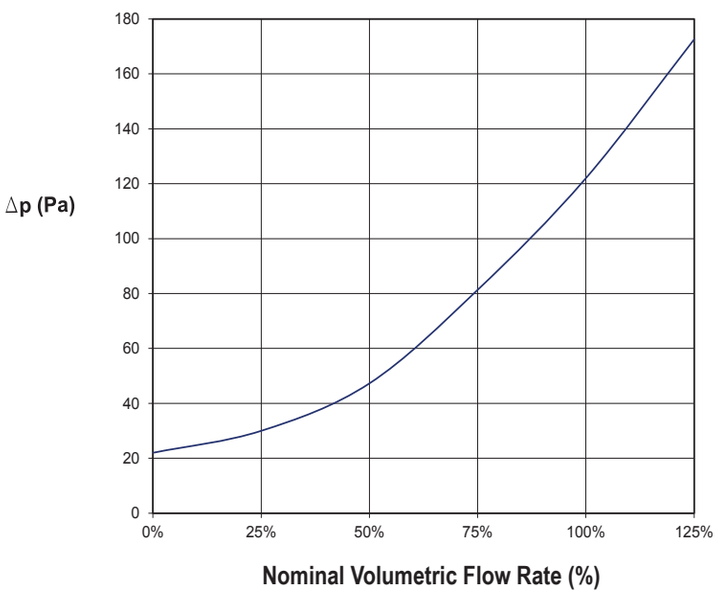
Pannel-Pleat 17PP

Filter panel with high-resistance moulded polypropylene structure and pleated filter panel in polypropylene fibres with progressive density. Efficiency class F7.

High dirt retention capacity.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM2,5 65%
EFFICIENCY class (CEN EN779-2012)	F7
AVERAGE colorimetric efficiency:	80-90%
MAXIMUM WORKING temperature:	60°C
INITIAL pressure drop:	122 Pa
NOMINAL flow rate:	3.400 m3/h
	panel size 592x592x98
	frontal air speed 2,7 m/s
	average filtering speed 0,13 m/s
RECOMMENDED final pressure drop:	300 Pa
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m³/h]	Filtering Surface [m²]
PP/172998	292 X 592 X 98	1.700	3,6
PP/174998	492 X 592 X 98	2.850	6,1
PP/175998	592 X 592 X 98	3.400	7,3
PP/172948	292 X 592 X 48	1.530	3,3
PP/174948	492 X 592 X 48	2.300	4,9
PP/175948	592 X 592 X 48	3.100	6,6

The material can be supplied in a thickness of 23mm and 145mm.
This model can be supplied with a plastic frame complete with flange.

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

Model Pannel Pleat PP

The pleated filter panel is composed of polypropylene fibres with progressive density and the pleats are uniformly spaced out with thermoplastic separators.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

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MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

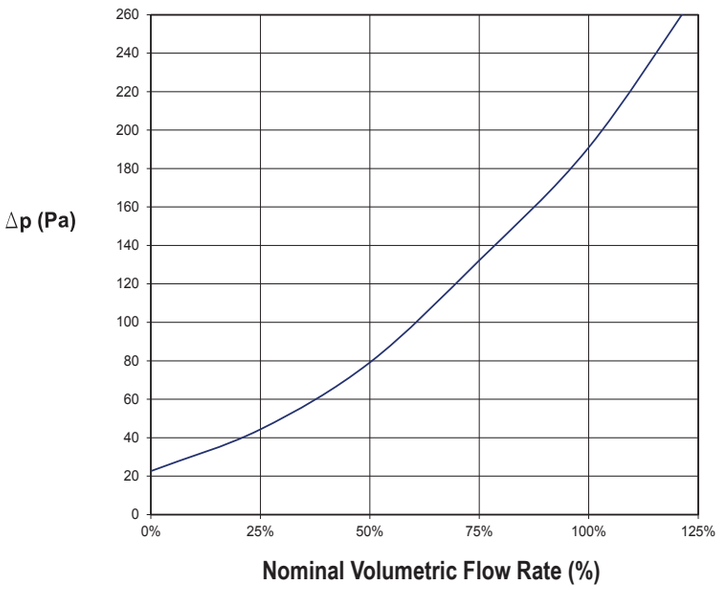
Pannel-Pleat 19PP

Filter panel with galvanised steel frame and pleated filter panel in polypropylene fibres with progressive density. Efficiency class F9.

High dirt retention capacity.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 80%
EFFICIENCY class (CEN EN779-2012)	F9
AVERAGE colorimetric efficiency:	> 95%
MAXIMUM WORKING temperature:	60°C
INITIAL pressure drop:	191 Pa
NOMINAL flow rate:	3.400 m3/h
	panel size 592x592x98
	frontal air speed 2,7 m/s
	average filtering speed 0,13 m/s
RECOMMENDED final pressure drop:	300 Pa
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m³/h]	Filtering Surface [m²]
PP/192998	292 X 592 X 98	1.700	3,6
PP/194998	492 X 592 X 98	2.850	6,1
PP/195998	592 X 592 X 98	3.400	7,3
PP/192948	292 X 592 X 48	1.530	3,3
PP/194948	492 X 592 X 48	2.300	4,9
PP/195948	592 X 592 X 48	3.100	6,6

The material can be supplied in a thickness of 23mm and 145mm.
This model can be supplied with a plastic frame complete with flange.

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

Model Pannel Pleat PP

The pleated filter panel is composed of polypropylene fibres with progressive density and the pleats are uniformly spaced out with thermoplastic separators.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

As the product is entirely made of plastic, it can be disposed of in one single solution. The CER code for disposal is 150202.

GREEN BUILDING

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BREEAM

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MAN, WST

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

Pannel/Z-Pleat 15PPZ

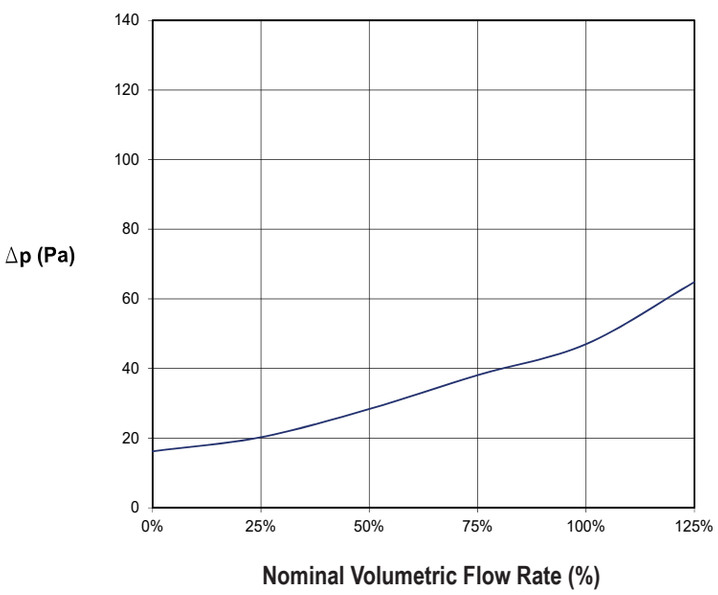
Filter panel with galvanised steel frame and pleated filter panel in polypropylene fibres with progressive density. Efficiency class M5.

Frame with quick opening/closing system.

High dirt retention capacity.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 55%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE colorimetric efficiency:	40-60%
MAXIMUM WORKING temperature:	60°C
INITIAL pressure drop:	47 Pa
NOMINAL flow rate:	3.400 m3/h
	panel size 592x592x98
	frontal air speed 2,7 m/s
	average filtering speed 0,13 m/s
RECOMMENDED final pressure drop:	300 Pa
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
PPZ/152998	292 X 592 X 98	1.700	3,6
PPZ/154998	492 X 592 X 98	2.550	5,4
PPZ/155998	592 X 592 X 98	3.400	7,3
PPZ/152948	292 X 592 X 48	1.530	3,3
PPZ/154948	492 X 592 X 48	2.300	4,9
PPZ/155948	592X 592 X 48	3.100	6,6

The material can be supplied in a thickness of 23mm and 145mm.
This model can be supplied with a plastic frame complete with flange.

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

Model Pannel Pleat PPZ

The pleated filter panel is composed of polypropylene fibres with progressive density and the pleats are uniformly spaced out with thermoplastic separators.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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Pannel/Z-Pleat 17PPZ

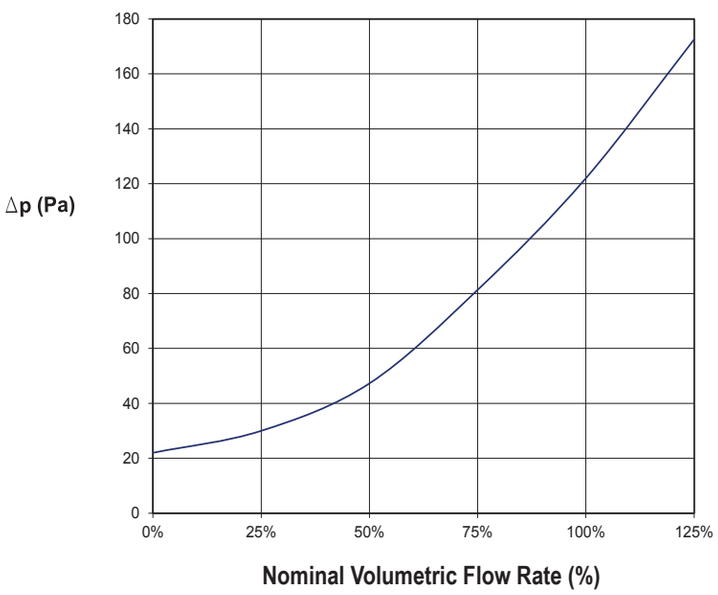
Filter panel with galvanised steel frame and pleated filter panel in polypropylene fibres with progressive density. Efficiency class F7.

Frame with quick opening/closing system.

High dirt retention capacity.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM2,5 65%
EFFICIENCY class (CEN EN779-2012)	F7
AVERAGE colorimetric efficiency:	80-90%
MAXIMUM WORKING temperature:	60°C
INITIAL pressure drop:	122 Pa
NOMINAL flow rate:	3.400 m3/h
	panel size 592x592x98
	frontal air speed 2,7 m/s
	average filtering speed 0,13 m/s
RECOMMENDED final pressure drop:	300 Pa
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m³/h]	Filtering Surface [m²]
PPZ/172998	292 X 592 X 98	1.700	3,6
PPZ/174998	492 X 592 X 98	2.850	6,1
PPZ/175998	592 X 592 X 98	3.400	7,3
PPZ/172948	292 X 592 X 48	1.530	3,3
PPZ/174948	492 X 592 X 48	2.300	4,9
PPZ/175948	592 X 592 X 48	3.100	6,6

The material can be supplied in a thickness of 23mm and 145mm.
This model can be supplied with a plastic frame complete with flange.

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

Model Pannel Pleat PPZ

The pleated filter panel is composed of polypropylene fibres with progressive density and the pleats are uniformly spaced out with thermoplastic separators.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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WELL

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BREEAM

Contributes to credits:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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fax. +39 0522 650211 www.tecnicasrl.it - info@tecnicasrl.it

Pannel/Z-Pleat 19PPZ

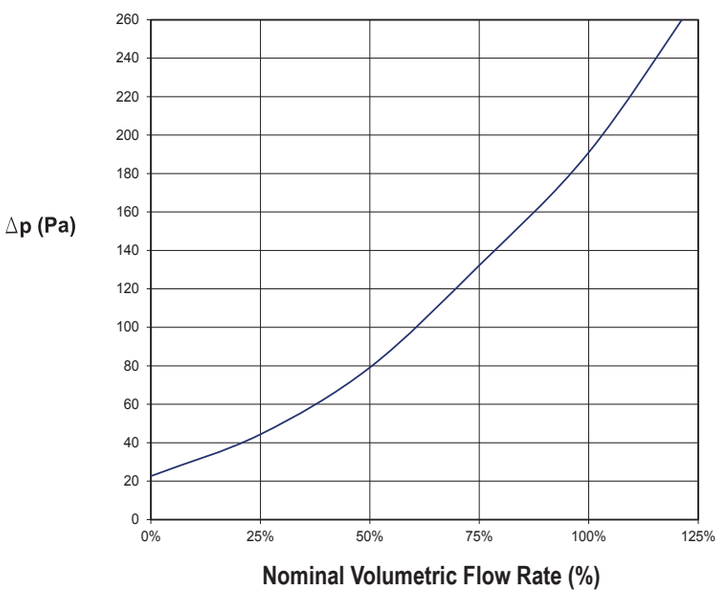
Filter panel with galvanised steel frame and pleated filter panel in polypropylene fibres with progressive density. Efficiency class F9.

Frame with quick opening/closing system.

High dirt retention capacity.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM1 80%
EFFICIENCY class (CEN EN779-2012)	> F9
AVERAGE colorimetric efficiency:	> 95%
MAXIMUM WORKING temperature:	60°C
INITIAL pressure drop:	191 Pa
NOMINAL flow rate:	3.400 m3/h
	panel size 592x592x98
	frontal air speed 2,7 m/s
	average filtering speed 0,13 m/s
RECOMMENDED final pressure drop:	300 Pa
FIRE reaction:	class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART			
Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m³/h]	Filtering Surface [m²]
PPZ/192998	292 X 592 X 98	1.700	3,6
PPZ/194998	492 X 592 X 98	2.850	6,1
PPZ/195998	592 X 592 X 98	3.400	7,3
PPZ/192948	292 X 592 X 48	1.530	3,3
PPZ/194948	492 X 592 X 48	2.300	4,9
PPZ/195948	592 X 592 X 48	3.100	6,6

The material can be supplied in a thickness of 23mm and 145mm.
This model can be supplied with a plastic frame complete with flange.

PRESSURE DROP DIAGRAM (Air temperature 20°C)

Diagram
Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

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FILTERING MEDIA

Model Pannel Pleat PPZ

The pleated filter panel is composed of polypropylene fibres with progressive density and the pleats are uniformly spaced out with thermoplastic separators.

APPLICATIONS

Filtration in air treatment units, filtration in painting plants, prefiltration of absolute filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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WELL

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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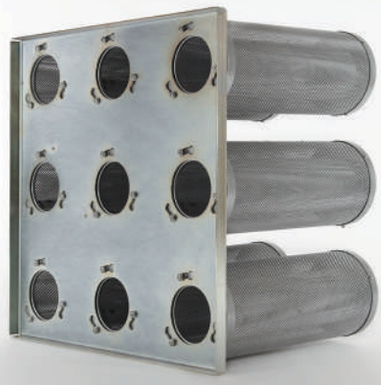

Carbo Pias

Active carbon adsorbent filter in cylindrical galvanised steel cartridges with filtering walls in microstretched mesh. The cartridges have a base with feet for hooking to the plate and a galvanised sheet steel cover that allows easy replacement of the exhausted active carbon. Perfect seal between the cartridge and the plate is assured by a polyurethane sealing ring. The plate configuration guarantees easy installation and maximum filtering and deodorant capacity in relation to the dimensions.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
MAXIMUM WORKING temperature:	50°C
RELATIVE humidity:	70%
INITIAL pressure drop:	150 Pa
RECOMMENDED filtering air speed:	0.3 m/s

SELECTION CHART				
Model [code]	**Dimensions W x D x H [mm]**	**Nominal Flow Rate [m^3/h]**	**Carbons Volume [dcm^3]**	**Cartridges [n]**
CP 05	300 x 600 x 430	1.500	30,0	5
CP 07	507 x 600 x 430	2.350	42,0	7
CP 09	600 x 600 x 430	3.000	54,0	9
CP 08	300 x 600 x 430	2.000	40,0	8
CP 16	600 x 600 x 430	3.500	63,0	16

SPARE CARTRIDGES			
Model [code]	**External Diameter [mm]**	**Height [mm]**	**Cartridge bed [mm]**
CC160	160	400	35
CC140	140	400	27

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FILTERING MEDIA

This product is suitable for use in the gaseous phase to purify the air coming from production departments and hence containing traces of volatile substances or products of decomposition or from chemical plants, refrigerator deposits of food products, to limit the emission into the atmosphere of solvents from painting plants, and to purify the conditioned air in offices, airports, motor vehicles and urban transport means. It can also be used for kitchen and laboratory extraction hood filters and deodorising filters for refrigerators, shoe cupboards and deep-fryers. This active carbon can thermally be reactivated once its adsorbent activity is exhausted.

PRODUCT DISPOSAL

Exhausted active carbons can be disposed as special waste: DANGEROUS DROSS CER CODE 190110. The CER code for the metallic part is 120101.

GREEN BUILDING

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BREEAM

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

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Kat Carbon

Active carbon adsorbent filter with U-section galvanised steel frame and galvanised steel microstretched meshes.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
MAXIMUM WORKING temperature:	50°C
RELATIVE humidity:	70%
INITIAL pressure drop:	65 Pa thickness 23 mm
	150 Pa thickness 48 mm
RECOMMENDED filtering air speed:	0.3 m/s

SELECTION CHART			
Dimensions W x D x H [mm]	**Thickness [mm]**	**Nominal Flow Rate [m^3/h]**	**Carbons Volume [dcm^3]**
500X500	23	160-240	5,0
592X592		220-340	7,0
500X500	48	160-240	11,2
592X592		220-340	15,7

FILTERING MEDIA

This product is suitable for use in the gaseous phase to purify the air coming from production departments and hence containing traces of volatile substances or products of decomposition or from chemical plants, refrigerator deposits of food products, to limit the emission into the atmosphere of solvents from painting plants, and to purify the conditioned air in offices, airports, motor vehicles and urban transport means. it can also be used for kitchen and laboratory extraction hood filters and deodorising filters for refrigerators, shoe cupboards and deep-fryers.

PRODUCT DISPOSAL

Exhausted active carbons can be disposed as special waste: DANGEROUS DROSS CER CODE 190110. The CER code for the metallic part is 120101.

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

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Carbo-Pleat

Adsorbent filter with polypropylene support and synthetic fibre filter panels.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	F7
AVERAGE colorimetric efficiency:	80-90%
MAXIMUM WORKING temperature:	70°C
RELATIVE humidity:	100%
INITIAL pressure drop:	115 Pa
RECOMMENDED final pressure drop:	600 Pa
MAXIMUM pressure drop:	1000 Pa
RECOMMENDED filtering air speed:	0,065 m/s

SELECTION CHART

Model [code]	Dimensions W x D x H [mm]	Nominal Flow Rate [m^3/h]	Filtering Surface [m^2]
CP29	290 X 595 X 292	1.600	4,3
CP49	490 X 595 X 292	2.400	7,5
CP59	595 X 595 X 292	3.200	9,0

FILTERING MEDIA

The synthetic filter medium with added active carbon is pleated and uniformly spaced out with thermoplastic polypropylene separators. This configuration allows obtaining a long-lasting filter taking up little space. The filter is sealed with polyurethane foam resistant to acids.

APPLICATIONS

Filtration in air treatment units.

PRODUCT DISPOSAL

Exhausted active carbons can be disposed as special waste: DANGEROUS DROSS CER CODE 190110.

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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TC40

Physically activated granular active carbon of vegetable origin.

Active carbon is a carbonaceous skeleton with a vast and branched porous structure capable of trapping organic compound molecules. Its capability of attracting and trapping in its porous structure the organic compound molecules dispersed in a fluid (liquid or gaseous) with which the active carbon comes into contact is known as ADSORPTION and is regulated by well-determined physical laws.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
GRANULES diameter	4 mm
GRANULES length	5-12 mm
pH	8-10
SUPPLIED in bags	25 kg

IMPREGNATED ACTIVE CARBON FOR SPECIAL APPLICATIONS

This is an active carbon treated with chemical compounds that allow adsorption of pollutants otherwise not held back by standard active carbons.

APPLICATIONS

TC40 is a physically activated granular active carbon of vegetable origin. This product is suitable for use in the gaseous phase to purify the air coming from production departments and hence containing traces of volatile substances or products of decomposition or from chemical plants, refrigerator deposits of food products, to limit the emission into the atmosphere of solvents from painting plants, and to purify the conditioned air in offices, airports, motor vehicles and urban transport means. It can also be used for kitchen and laboratory extraction hood filters and deodorising filters for refrigerators, shoe cupboards and deep-fryers. This active carbon can thermally be reactivated once its adsorbent activity is exhausted.

PRODUCT DISPOSAL

Exhausted active carbons can be disposed of as special waste. THE CER CODE FOR HAZARDOUS WASTE IS 190110. Otherwise, they can be reactivated with a heat treatment by means of special structures: the most widely used and most efficient heat reactivation technology today is based on heat treatment of exhausted carbons in rotary ovens.

SPECIAL ACTIVE CARBONS

TC60 Carbon suitable for adsorption of acid vapours and gaseous substances.
TC80 Carbon suitable for adsorption of toxic and radioisotopic gases. The filter containment structure must be in stainless steel.
TC ALU Impregnated alumina, specifically formulated for removal of gaseous currents of H20, SOS, NOX, formaldehyde, ethylene, acid gases, light hydrocarbons. A stainless steel filter structure is advisable.

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GREEN BUILDING

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Contributes to credits:
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WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

Contributes to credits:
MAN

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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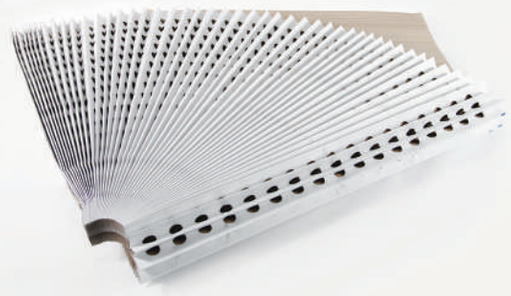

KI900

Inertial collector made up of a double layer of pleated cardboard with holes arranged misaligned on the two faces.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
AVERAGE gravimetric efficiency:	45%
PAINT collection efficiency	>90%
MAXIMUM WORKING temperature:	180°C
RELATIVE humidity:	90%
INITIAL pressure drop:	30 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
RECOMMENDED filtering air speed:	0.75 m/s

SELECTION CHART		
Model [code]	**Height [mm]**	**Length [mm]**
KI900	900	10.000

DESCRIPTION

It is composed of a double layer of pleated cardboard with holes arranged misaligned on the two faces. The air full of paint particles is routed into the filter through the holes and, as the paint particles have a greater specific weight than the air, they continue their rectilinear travel by inertia accumulating on the filter walls. Because of its structure, this type of filter has a great paint particle accumulation capacity, which allows using it for a long time. In addition, these types of filter are practical and easy to replace.

APPLICATIONS

Prefiltration in painting plants.

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KPC

Multilayer paint collection filters in flame retardant stretched and expanded Kraft paper with final mini-mesh.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

PRESSURE DROPS WITH CLEAN FILTER

Air Speed (m/sec)	Pressure Drop (Pa)
0,50	2,0
0,75	3,0
1,00	5,5
1,25	8,0
1,50	12,5
1,75	17,5

Painting Process	Efficiency (%)	Accumulation (kg/mq)
Air Enamel	97,0	4,5
Baked enamel	97,5	7,8
Lackey	88,5	2,3
Water soluble enamels	97,5	6,6

DESCRIPTION

Multilayer paint collection filter. Flame retardant stretched and expanded Kraft paper with final mini-mesh. The various layers are overlapping and tied by means of stapling. Suitable for one-layer filtration or prefiltration. Efficiencies: 85.5% / 97.5%. This type of aerosol has variable characteristics in relation to the manifold parameters, such as:

- Characteristics of the painting product
- Quantity sprayed
- Spraying technique
- Air flow rate
- Transfer efficiency

The average separation efficiency and the duration are affected by the following parameters:

- Characteristics of the aerosol
- Air velocity
- Distance between the sprayer and the filter
- Maximum permitted pressure drop

Therefore, the product performances described vary and arespecific of each single installation.

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KP20/M SAG

Filters with coalescing effects are provided with a shaped filtering media made of soft 20PPI polyurethane and a galvanized steel containment frame; furthermore, they can fulfill soundproofing and equalizing purposes.

The air flow passes through the reticular structure of the shaped Polyurethane foam, causes the merging of the particles of oils and hydrocarbons until their dimension makes them drop into the catchment area, leaving the wastewater due to their weight.

SELECTION CHART

Width [mm]	Length [mm]	Thickness [mm]
400	592	98
492	592	98

APPLICATIONS

These filters are especially useful in those processes where a division between liquids is required. For example, in the oil separation process, that can be found in machine shops, gas stations, car washes and parking lots.The Polyurethan-based filters can be easily removed, washed and relocated.

MAINTENANCE

Oils and hydrocarbons, with the passing of time, can harden the polyurethane until it becomes stiff and starts to crumble; it is therefore extremely important to check it up every time it is washed and relocated.

PRODUCT DISPOSAL

To dispose the product, the polyurethane filter has to be separated from the steel frame. The CER code for the metallic part is 120101. The CER code for the filtering part is 150202.

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Contfilter

Galvanised steel counterframes for filter or filtering sequence support in the following sizes: 305x610 mm, 508x610 mm, 610x610 mm in the thicknesses 75-100-140 mm.

On request, also available in stainless steel.

Spare Parts

Filtering septums for pleated filters and panels cut to size.

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AT100

Roll of filtering media in thermobonded synthetic polyester staple fibre with a basis weight of 100g/m2. Efficiency class G2.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency	70%
FILTER fabric basis weight	100 gr/mq
THICKNESS	10 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 (DIN53438/3) class M1 (NF-F-16-101)

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IP, MR

WELL
Contributes to credits
MATERIALS, COMMUNITY

BREEAM
Contributes to credits
MAN,

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APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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AT150

Roll of filtering media in thermobonded synthetic polyester staple fibre with a basis weight of 150 g/m2. Efficiency class G3.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency	80%
FILTER fabric basis weight	150 gr/mq
THICKNESS	14-16 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	26 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	235 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 (DIN53438/3) class M1 (NF-F-16-101)

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IP, MR

WELL
Contributes to credits
MATERIALS, COMMUNITY

BREEAM
Contributes to credits
MAN

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APPLICATIONS

Residenziale	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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AT200

Roll of filtering media in thermobonded synthetic polyester staple fibre with a basis weight of 200g/m2 Efficiency class G4..

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency	90%
FILTER fabric basis weight	200gr/mq
THICKNESS	20-22 mm
MAXIMUM operating temperature:	100°C
RELATIVE humidity	100%
INITIAL pressure drop	43 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	351 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 (DIN53438/3) class M1 (NF-F-16-101)

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LEED
Contributes to credits
IP, MR

WELL
Contributes to credits
AIR, MATERIALS, COMMUNITY

BREEAM
Contributes to credits
MAN

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APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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AT/BA200

Roll of filtering media in thermobonded synthetic polyester staple fibre (white/light blue) with a basis weight of 200 g/m2 . Efficiency class G3..

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class CEN EN779)	G3
AVERAGE gravimetric efficiency	87%
FILTER fabric basis weight	200gr/mq
THICKNESS	18-20 mm
MAXIMUM operating temperature:	100°C
RELATIVE humidity	100%
INITIAL pressure drop	31 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	460 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1

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LEED

Contributes to credits
IP, MR

WELL

Contributes to credits
MATERIALS, COMMUNITY

BREEAM

Contributes to credits
MAN

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APPLICATIONS

Residenziale	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request

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AT250

Roll of filtering media in thermobonded synthetic polyester staple fibre with a basis weight of 250g/m2. Efficiency class G4.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency	90%
FILTER fabric basis weight	250gr/mq
THICKNESS	22-24 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	43 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	470 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

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AT350

Roll of filtering media in thermobonded synthetic polyester staple fibre with a basis weight of 350g/m2. Efficiency class G4..

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class(CEN EN779)	G4
AVERAGE gravimetric efficiency	95%
FILTER fabric basis weight	350gr/mq
THICKNESS	22-24 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	52 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	490 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters..

AT500

Roll of filtering media in thermobonded synthetic polyester staple fibre with a basis weight of 200g/m2. Efficiency class M5..

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency	96%
FILTER fabric basis weight	200gr/mq
THICKNESS	10-12 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	58 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	730 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 (DIN53438/3)
	class B2 (DIN4102/1)
	class M1 (NF-F-16-101)

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

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AT/R210

Roll of filtering media in thermobonded synthetic polyester staple fibre with heat-sealed mesh support and with a basis weight of 210 g/m2. Efficiency class G3.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	G3
AVERAGE gravimetric efficiency	95%
FILTER fabric basis weight	210gr/mq
THICKNESS	10 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	90%
INITIAL pressure drop	50 Pa
RECOMMENDED final pressure drop	200 Pa
MAXIMUM pressure drop	300 Pa
DUST collection capacity	350 gr/mq
RECOMMENDED frontal air speed	2,5 m/s
FIRE reaction (DIN53438/3)	class F1

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

SAV500

Filtering media in bonded and laminated synthetic microfibre with a progressive structure and treated polyester mesh with a basis weight of 500 g/m2. Efficiency class M5.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	M5
AVERAGE gravimetric efficiency	95%
FILTER fabric basis weight	500gr/mq
THICKNESS	20-22 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	38 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	370 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1
DIN4102/1	B2

DESCRIPTION

High-efficiency filtering media composed of resin-bonded and laminated synthetic microfibres with a progressive structure and a treated polyester mesh on the air outlet side. Dust arrestance is practically maintained constant over time and the accumulation capacity is high. Supplied in rolls.

APPLICATIONS

Painting cabins and lines

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SAV600

Filtering media in bonded and laminated synthetic microfibre with a progressive structure and treated polyester mesh with a basis weight of 600 g/m2. Efficiency class M5.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	M5
AVERAGE gravimetric efficiency	97%
FILTER fabric basis weight	600gr/mq
THICKNESS	20-22 mm
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	41 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	440 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	classe F1
DIN4102/1	B2

DESCRIPTION

High-efficiency filtering media composed of resin-bonded and laminated synthetic microfibres with a progressive structure and a treated polyester mesh on the air outlet side. Dust arrestance is practically maintained constant over time and the accumulation capacity is high. Supplied in rolls.

APPLICATIONS

Painting cabins and lines

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PR20/PM20

Synthetic fibre in PR20 series rigid polyurethane foam reticulated with evenly distributed open cells. Efficiency class G2.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	G2
AVERAGE gravimetric efficiency	75%
MAXIMUM operating temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	17 Pa for PR20/06 thickness 6 mm
	33 Pa for PR20/10 thickness 10 mm
	38 Pa for PR20/12 thickness 12 mm
RECOMMENDED final pressure drop	150 Pa
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1
POROSITY	20 PPI

DESCRIPTION

High-porosity synthetic fibre with high operating efficiency made up of PR20 series rigid polyurethane foam reticulated with evenly distributed open cells. This type of filtering media is easy to regenerate by means of air blasting or washing.

APPLICATIONS

Fan coils, air treatment units.

SELECTION CHART - PR20		
Model [code]	**Thickness [mm]**	**Dimensions WxDxH [mm]**
PR20/06	6	1500X2000
PR20/10	10	1500X2000

SELECTION CHART - PM20		
Model [code]	**Thickness [mm]**	**Dimensions WxDxH [mm]**
PM20/06	6	1500X2000
PM20/10	10	1500X2000
PM20/12	20	1500X2000

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AC200 Carbon

Filtering media in thermobonded polyester staple fibre impregnated with active carbon powder with a basis weight of 200 g/m2. Efficiency class G2..

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	G2
AVERAGE gravimetric efficiency	70%
FILTER fabric basis weight	200gr/mq
THICKNESS	5-10 mm
MAXIMUM operating temperature	90°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1

DESCRIPTION

Filtering media in thermobonded polyester staple fibre impregnated with active carbon powder.

APPLICATIONS

Fan coils, air treatment units.

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AC400 Carbon

Filtering media in thermobonded polyester staple fibre impregnated with active carbon powder with a basis weight of 350 g/m2. Efficiency class G2.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class(CEN EN779)	G2
AVERAGE gravimetric efficiency	70%
FILTER fabric basis weight	350gr/mq
THICKNESS	10 mm
MAXIMUM operating temperature	90°C
RELATIVE humidity	100%
INITIAL pressure drop	30 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	235 gr
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction (DIN53438/3)	class F1

DESCRIPTION

Filtering media in thermobonded polyester staple fibre impregnated with active carbon powder.

APPLICATIONS

Fan coils, air treatment units

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VS/25-50-100

Roll of filtering media in glass fibre with progressive density in thicknesses of 25-50-100mm. Efficiency class G3..

Filtering media in glass fibre with progressive density, specially created for filtration of solvent-based paint and lacquer particles. Material supplied in rolls.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	G3
AVERAGE gravimetric efficiency	90-98%
MAXIMUM operating temperature	120°C
RELATIVE humidity	100%
INITIAL pressure drop	25-30 Pa
RECOMMENDED final pressure drop	150 Pa
MAXIMUM pressure drop	300 Pa
DUST collection capacity*	3-5 kg/m^3
RECOMMENDED filtering speed	1,5-2 m/s
FIRE reaction (DIN53438/3)	class F1

* Depends on the type of paint, whether dry or liquid

SELECTION CHART		
Model	**Basis weights**	**Thickness**
VS/25	100 gr/m²	25mm
VS/50	200 gr/m²	50mm
VS/100	300 gr/m²	100mm

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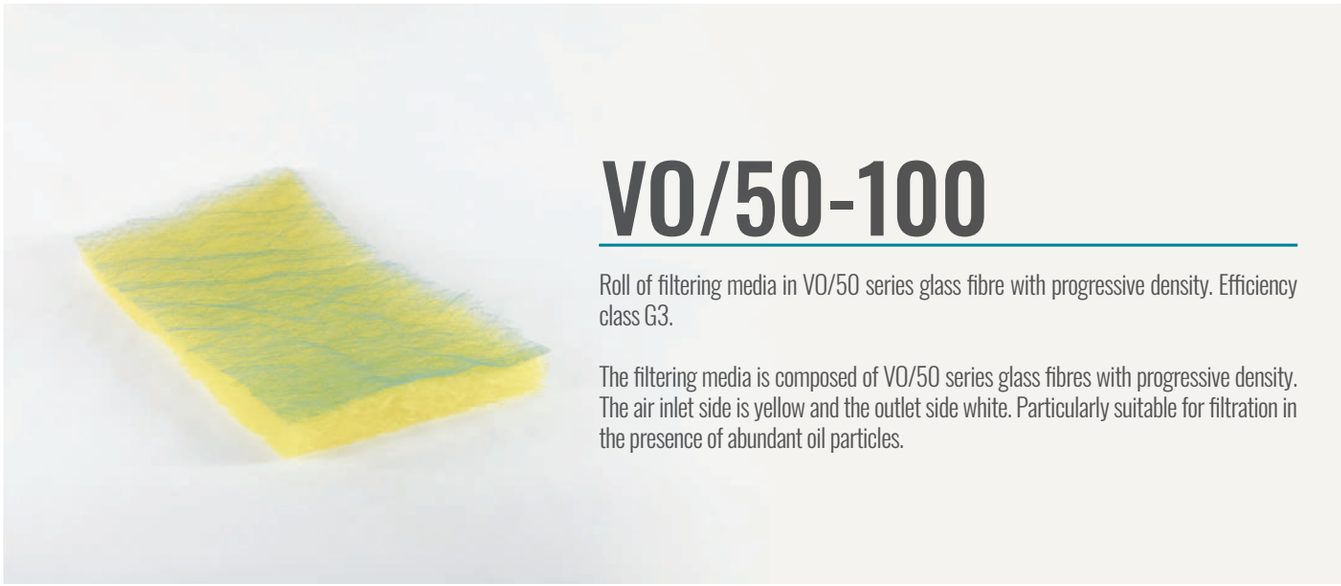

VO/50-100

Roll of filtering media in VO/50 series glass fibre with progressive density. Efficiency class G3.

The filtering media is composed of VO/50 series glass fibres with progressive density. The air inlet side is yellow and the outlet side white. Particularly suitable for filtration in the presence of abundant oil particles.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
EFFICIENCY class (CEN EN779)	G3
AVERAGE gravimetric efficiency	90-98%
MAXIMUM operating temperature	120°C
RELATIVE humidity	100%
INITIAL pressure drop	25-30 Pa
RECOMMENDED final pressure drop	150 Pa
MAXIMUM pressure drop	300 Pa
DUST collection capacity*	3-5 kg/m^3
RECOMMENDED filtering speed	1,5-2 m/s
FIRE reaction (DIN53438/3)	class F1

* Depends on the type of paint, whether dry or liquid

SELECTION CHART		
Model	**Basis weights**	**Thickness**
VO/50	200 gr/m²	50mm
VO/100	300 gr/m²	100mm

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VS Hydro

Filtering media in glass fibre with progressive density fully impregnated with a harmless gel, specifically created for filtration of fine and dry water-based paint particles.

Filtration of water-based paint particles in painting booths for surface treatment.

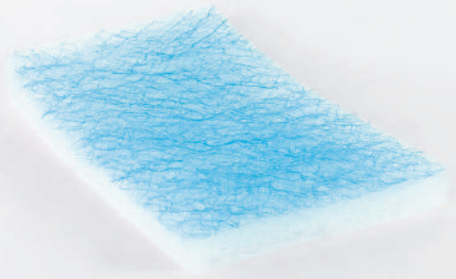
Thickness: 75mm. Efficiency class: 98.5%.

VS-Dust R

Filtering media in glass fibre with progressive density fully impregnated with a harmless gel for filtration of large amounts of common dust particles.

As machinery protection, in particular installed as turbine gas pre-filter on ships and in other industrial installations.

Thickness: 125mm. Efficiency class: G4..



VS Idro

Filtering media in glass fibre with progressive density specially designed for filtration of wet particles in places with extremely high atmospheric humidity. Fibres bonded with a fixer particularly resistant to humidity.

Wet filtration turbine gas power cabins, on platforms along the coast, coastal areas and behind air purifiers.

Thickness: 75mm. Efficiency class: 99.8%..

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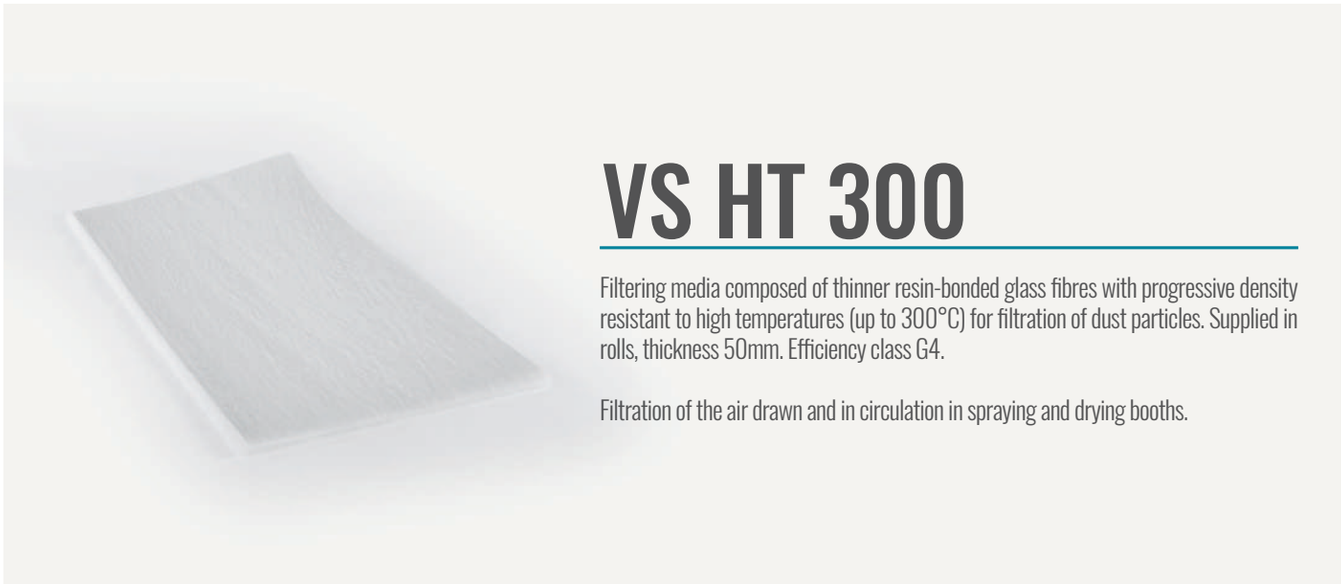
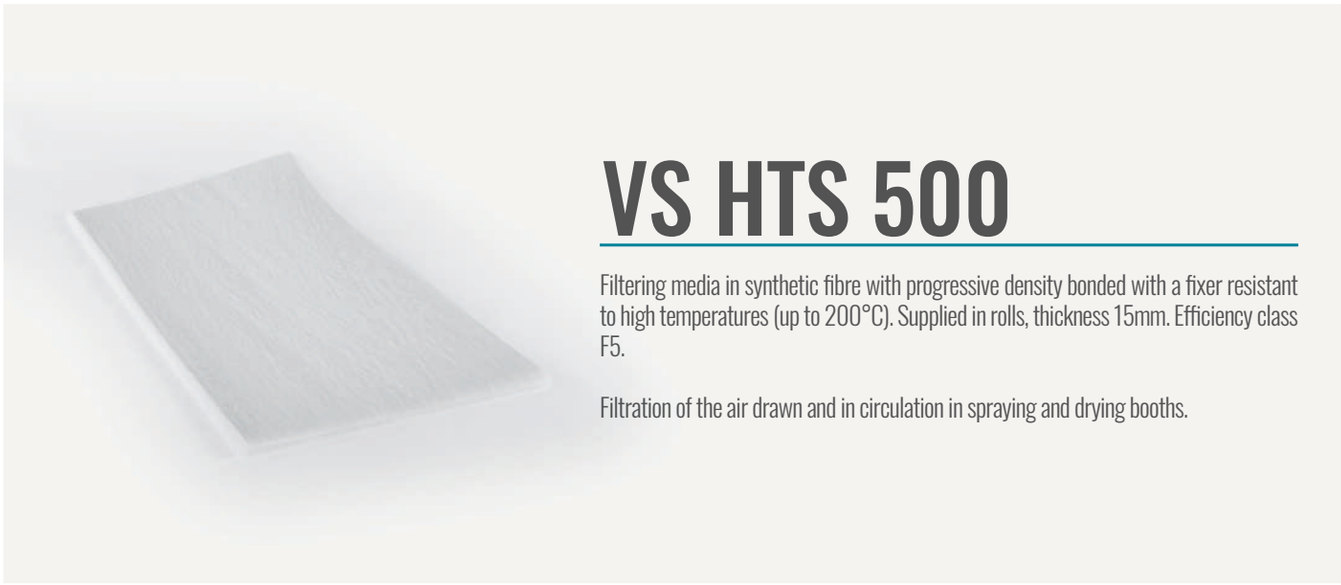


VS HT 300

Filtering media composed of thinner resin-bonded glass fibres with progressive density resistant to high temperatures (up to 300°C) for filtration of dust particles. Supplied in rolls, thickness 50mm. Efficiency class G4.

Filtration of the air drawn and in circulation in spraying and drying booths.



VS HTS 500

Filtering media in synthetic fibre with progressive density bonded with a fixer resistant to high temperatures (up to 200°C). Supplied in rolls, thickness 15mm. Efficiency class F5.

Filtration of the air drawn and in circulation in spraying and drying booths.

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K-Tecnolam

Filtering media in simple glass fiber, water repellency treatment and multilayer reinforced structure.

Separators in thermoplastic bands. Extruded aluminium frame.
Outer protection grids in white painted aluminium.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
STARTING NOMINAL FLOW	120 Pa
FINAL NOMINAL FLOW	400 Pa
MAXIMUM operating temperature	80°C
MAXIMUM operating relative humidity	100%

EFFICIENCY EN 1822

Class E10 E≥ 85% MPPS Class H14 E≥ 99,995% MPPS

EFFICIENCY E10

Ventilation and air conditioning installations in the electronic, photographic and pharmaceutical industries, painting booths. Controlled atmosphere ambients, such as hospitals, laboratories and data processing centers.

EFFICIENCY H14

High and absolute final filtration in pharmaceutical, nuclear, electronic, food and photographic industries. Air treatment in very high sterilisation degree ambients, such as operating rooms, analysis laboratories.

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SELECTION CHART

Model [code]			Dimensions W x D x H [mm]	Efficiency	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
TA10AL	2412	P1	610 X 305 X 68	5,5	500	500
TA10AL	2424	P1	610 X 610 X 68		11,0	1.000
TA10AL	2436	P1	610 X 915 X 68		16,5	1.500
TA10AL	2448	P1	610 X 1220 X 68		22,0	2.000
TA14AL	0808	P1	203 X 203 X 68	1,0	65	65
TA14AL	1212	P1	305 X 305 X 68		2,8	150
TA14AL	1224	P1	305 X 610 X 68		5,5	300
TA14AL	1236	P1	305 X 915 X 68		8,2	450
TA14AL	1818	P1	457 X 457 X 68		6,3	335
TA14AL	1824	P1	457 X 610 X 68		8,4	450
TA14AL	2020	P1	515 X 515 X 68		8,0	430
TA14AL	2121	P1	537 X 537 X 68		8,0	430
TA14AL	215215	P1	545 X 545 X 68		8,0	430
TA14AL	2424	P1	610 X 610 X 68		11,3	600
TA14AL	2430	P1	610 X 762 X 68		14,0	620
TA14AL	2436	P1	610 X 915 X 68		16,9	900
TA14AL	2449	P1	610 X 1220 X 68		22,5	1.200
TA14AL	2460	P1	610 X 1525 X 68		28,0	1.500
TA14AL	2472	P1	610 X 1830 X 68		33,6	1.800
TA14AL	3012	P1	762 X 305 X 68		6,9	375
TA14AL	3036	P1	762 X 915 X 68		21,3	1.125
TA14AL	3048	P1	762 X 1220 X 68		28,3	1.500
TA14AL	3060	P1	762 X 1525 X 68		29,0	1.880
TA14AL	3072	P1	762 X 1830 X 68		35,0	2.260
TA14AL	3636	P1	915 X 915 X 68		25,7	1.350
TA14AL	3648	P1	915 X 1220 X 68		34,1	1.800
TA14AL	3660	P1	915 X 1525 X 68		35,0	2.260
TA14AL	3672	P1	915 X 1830 X 68		42,0	2.700

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Ktecnopleat

Filtering media in simple glass fibre, water repellency treatment and multilayer reinforced structure. Separators in thermoplastic bands. Outer protection grids: on request.

Available models:
TECNOPLEAT ME: galvanized steel frame
TECNOPLEAT MD: MDF wood frame

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

MAXIMUM operating temperature:	80°C
MAXIMUM operating relative humidity	100%

EFFICIENCY EN 1822

Class E10 E≥ 85% MPPS	Class E12 E≥ 99,5% MPPS	Class H13 E≥ 99,95% MPPS	Class H14 E≥ 99,995% MPP

APPLICATIONS

EFFICIENCY E10
Ventilation and air conditioning installations in the electronic, photographic and pharmaceutical industries, painting booths. Controlled atmosphere ambients, such as hospital, laboratories and data processing centers.

EFFICIENZA E12-H13-H14
High and absolute final filtration in pharmaceutical, nuclear, electronic, food and photographic industries. Air treatment in very high sterilisation degree ambients, such as operating rooms, analysis laboratories.

SELECTION CHART

Model [code]			Dimensions W x D x H [mm]	Efficiency	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
TA10ME	1224	P4	305x610x292	E10	9,5	1.700
TA10ME	2424	P4	610x610x292		18,0	3.400
TA12ME	1224	P4	305x610x292	E12	9,5	1.100
TA12ME	2424	P4	610x610x292		18,0	2.200
TA13ME	1123	P4	290x595x292	H13	9,0	900
TA13ME	1224	P4	305x610x292		9,5	1.000
TA13ME	2323	P4	595x595x292		17,0	1.900
TA13ME	2424	P4	610x610x292		18,0	2.000
TA14ME	1123	P4	290x595x292	H14	9,0	850
TA14ME	1224	P4	305x610x292		9,5	950
TA14ME	2323	P4	5 95x595x292		17,0	1.850
TA14ME	2424	P4	610x610x292		18,0	1.950

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K-Tecnovee

Filtering medium in simple glass fibre, water repellency treatment and multilayer reinforced structure. Separators in thermoplastic bands
Frame in galvanized or stainless steel.
Protection grids on request.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT	
MAXIMUM operating temperature	80°C
MAXIMUM operating relative humidity	100%

EFFICIENCY EN 1822			
Class E10 E≥ 85% MPPS	Class E12 E≥ 99,5% MPPS	Class H13 E≥ 99,95% MPPS	Class H14 E≥ 99,995% MPP

APPLICATIONS

EFFICIENCY E10
Ventilation and air conditioning installations in the electronic, photographic and pharmaceutical industries, painting booths. Controlled atmosphere ambients, such as hospitals, laboratories and data processing centers.

EFFICIENCY E12-H13-H14
High and absolute final filtration in pharmaceutical, nuclear, electronic, food and photographic industries. Air treatment in very high sterilisation degree, such as operating rooms, analysis laboratories

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SELECTION CHART

Model [code]			Dimensions W x D x H [mm]	Efficiency	Filtering Surface [m^2]	Nominal Flow Rate [m^3/h]
low	1224	P4	305 X 610 X 292	E10	19,0	2.000
TA10MED	1224	P4/X	305 X 610 X 292		19,0	2.000
TA10MED	2424	P4/4	610 X 610 X 292		30,0	3.000
TA10MED	2424	P4/4X	610 X 610 X 292		30,0	3.000
TA10MED	2424	P4/5	610 X 610 X 292		36,0	4.000
TA10MED	2424	P4/5X	610 X 610 X 292		36,0	4.000
TA12MED	1224	P4	305 X 610 X 292	E12	19,0	2.000
TA12MED	1224	P4/X	305 X 610 X 292		19,0	2.000
TA12MED	2424	P4/5	610 X 610 X 292		34,0	3.400
TA12MED	2424	P4/5X	610 X 610 X 292		34,0	3.400
TA12MED	2424	P4/6	610 X 610 X 292		40,0	4.000
TA12MED	2424	P4/6X	610 X 610 X 292		40,0	4.000
TA13MED	1123	P4	289 X 595 X 292	H13	18,0	1.800
TA13MED	1123	P4/X	289 X 595 X 292		18,0	1.800
TA13MED	1224	P4	305 X 610 X 292		19,0	2.000
TA13MED	1224	P4/X	305 X 610 X 292		19,0	2.000
TA13MED	2323	P4/5	595 X 595 X 292		30,0	3.000
TA13MED	2323	P4/5X	595 X 595 X 292		30,0	3.000
TA13MED	2424	P4/5	610 X 610 X 292		36,0	3.600
TA13MED	2424	P4/6	610 X 610 X 292		40,0	4.000
TA13MED	2424	P4/6X	610 X 610 X 292		40,0	4.000
TA13MED	2430	P4	610 X 762 X 292		40,0	4.000
TA14MED	2430	P4/X	610 X 762 X 292	H14	40,0	4.000
TA14MED	1224	P4	305 X 610 X 292		19,0	2.000
TA14MED	1224	P4/X	305 X 610 X 292		19,0	2.000
TA14MED	2424	P4/6	610 X 610 X 292		40,0	4.000
TA14MED	2424	P4/6X	610 X 610 X 292		40,0	4.000

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PAYMENT OF INVOICES

All invoices must be paid to:
TECNICA Srl -VIA DEGLI INTARSIATORI ROLESI,1-42047 ROLO (RE) - ITALY only.
In the event of delayed payments, TECNICA srl shall be entitled to charge interest at the business rate (prime rate plus three percentage points) for each month or, in proportion, for a fraction of the month of delay.

WARRANTIES AND LIABILITIES

TECNICA srl warrants that the products have been made in compliance with the technical specifications indicated on the technical sheets. TECNICA srl disclaims all liability for any damage suffered by the customer's buyers as a result of the inadequate fulfilment of the obligations towards them, with special reference to consumer information entitlements.

CLAIMS

Any claims due to faulty goods must be notified in writing to TECNICA srl - VIA DEGLI INTARSIATORI ROLESI,1 - 42047 ROLO (RE) - ITALY within 8 days from receipt. Only returned goods authorized by TECNICA srl will be accepted and these must be in their original, integral and complete packaging.

MISCELLANEOUS

These general sales conditions shall be deemed known and accepted by effect of the sending of a purchase order by the customer to TECNICA srl and may be changed by Tecnica srl by means of simple written notice.

HOW TO PLACE AN ORDER

Tecnica srl has certified quality. Consequently, all orders must be placed in written form and sent by fax or email. Phone orders must be followed by a written document within the following 2 days.
For each order, Tecnica srl will send an order confirmation showing model and/or technical specifications, quantity and prices quoted for the ordered products.
Whenever, within two days after the sending of such document, this is not returned to us corrected or amended, it shall be deemed tacitly approved and supply shall be regularly made.
Subsequent amendments shall produce a further new order with due charge of the previous one.

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GENERAL SUPPLY TERMS

The material is packed in standard wrapping (single or multi-piece). Packs normally contain minimum amount of material that can be supplied. On request, we can supply even lower quantities at differentiated prices; in this case a packaging surcharge may apply.
Tecnica srl, on request, can design and supply its product range made to specific demands.
Goods travel at the customer's risk, unless otherwise agreed.
Tecnica srl shall execute orders which have been placed and accepted, just as quickly as possible, and will notify the customer in case of any delays. Under no circumstance shall the customer be entitled to cancel an order already placed and accepted without the prior agreement of Tecnica srl. By placing the order with Tecnica srl, the customer fully accepts the conditions, the notes and the warmings indicated in this catalogue and also contained in the other documents produced by Tecnica srl (offers, order confirmations, transport documents, etc.).
A number of precautions must be taken as regards the products storage to prevent any possible deterioration of the material. Stored products must be protected against dust and direct sunlight, in dry premises, and the articles must be kept in their original packaging and only opened when they are to be used. Too much damp can damage the plastic materials used and corrode the metal parts. The articles must be stored flat and not crushed by weights. They must never be hung on hooks, wires or nails.

DELIVERY TIMES

For products in stock, prompt delivery as long as stocks last.
For products not in stock, approximate delivery times are 15/20 days from order confirmation date.
The delivery date indicated on the order confirmation documents shall be deemed the Tecnica ex-works delivery date.

PRODUCT DELIVERY

Material will only be dispatched via carrier indicated by TECNICA srl, except in the case of an express request of the customer and with delivery carriage forward.
For goods transport, if required with free-destination with charge, the customer will be charged a contribution with amount indicated on invoice. Any notification of accidents, loss or faults affecting the goods shall be sent by fax to TECNICA srl within 24 hours from receipt of goods.
In the event of such notification not being made within the aforementioned term TECNICA srl disclaims all liability.

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TECNICA srl
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UNI EN 9001:2015
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Certificate number 50100 15241

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