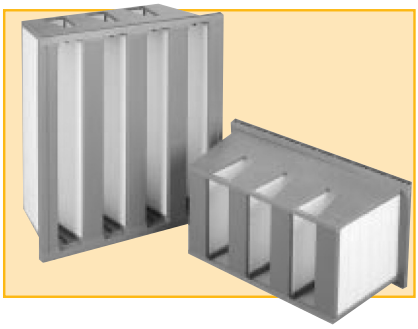
BAG FILTERS
FILTRA-PAK RP

Rigid pocket filters

Filtra-Pak RP

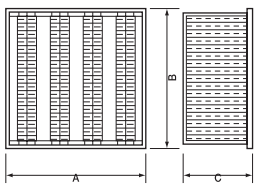


Product:	RP-G	RP-F	RP-H	RP-R
UNI EN 779 class:	F 6	F 7	F 9	---
EUROVENT class:	EU 6	EU 7	EU 9	EU 10
UNI EN 1822 class:	---	---	---	H 10
Em ASHRAE 52.1.1992:	60-80 %	80-90 %	95 <Em	---
Suggested final pressure drop:	450 Pa	450 Pa	450 Pa	450 Pa
Maximum pressure drop:	1000 Pa	1000 Pa	1000 Pa	1000 Pa
Maximum operating temperature:	70 °C	70 °C	70 °C	70 °C
Maximum relative humidity:	100 %	100 %	100 %	100 %

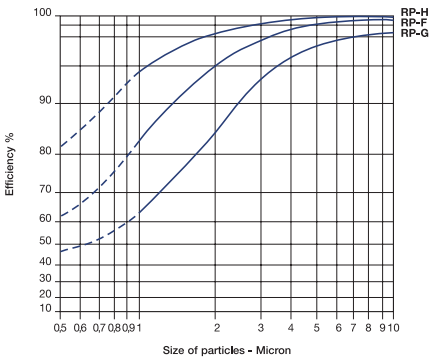
Type RP G - F - H	Dimensions (mm) A		B		C	Nominal air rate flow m^3/h	$m^3/sx10^{-3*}$	Filtration media m^2	Initial pressure drop Pa RP-G	RP-F	RP-H
55	595	x	287	x	292	2500	694	8,9	140	150	190
56	595	x	490	x	292	4100	1138	14,5	140	150	190
54	595	x	595	x	292	5000	1388	18	140	150	190
55 p	595	x	287	x	75	1500	416	4,2	140	150	190
54 p	595	x	595	x	75	3000	833	8,5	140	150	190
RP - R										RP - R	
55	595	x	287	x	292	2100	583	8,9		220	
56	595	x	490	x	292	3400	944	14,5		220	
54	595	x	595	x	292	4250	1180	18		220	
55 p	595	x	287	x	75	1250	347	4,2		220	
54 p	595	x	595	x	75	2500	694	8,5		220	

**1 m^3/s x 10^{-3} = 1 l/s*

Size



Typical curves



High efficiency **Filtra-Pak RP rigid pocket filters** are a modern alternative for air filtration systems compared to soft bag filters. The medium is made of glass fiber paper, water-proof, closely folded and separated by continuous thermal-plastic spacers. The packs are arranged in a V shape in a perfectly tight polystyrene holding frame. All the filters have high filtration efficiency rates, are less deep than soft bag filters, high dust holding capacities and robust construction. Pressure drop is limited and fan energy consumption levels are limited. At the end of their operating life these filters have to be replaced; they can be totally burned.

Applications

Filtra-Pak RP rigid pocket filters are used in civil and industrial systems which require high filtration efficiency levels and high air cleanness levels.
They are especially suitable for installation in: pharmaceutical, food, electronic, photographic industries, laboratories, computer rooms, telephone plants, hospitals. Filtra-Pak RP filters are the filter of choice in variable air flow systems (VAV), in situations with frequent fan stopping and in general, in very heavy operating conditions.

Installation

The installation of Filtra-Pak RP rigid pocket filters offers several alternatives compared to soft bag filters. They can be installed in any position: horizontal, vertical, duct and even reversed flow. Their frames allow for interchangeability with traditional bag filters. You can use both standard counter-frames, CT mod., or duct housings Multimod mod. in the new installations.

BAG FILTERS
FILTRA-PAK V

Fiber glass bag filters

Filtra-Pak V

Product	P5V	P6V	P8V	P9V
UNI EN 779 class:	F 5	F 6	F 7	F 8
EUROVENT class:	EU 5	EU 6	EU 7	EU 8
Em ASHRAE 52.1.1992:	40-50 %	60-80 %	80/90 %	90/95 %
Suggested final pressure drop:	350 Pa	350 Pa	350 Pa	350 Pa
Maximum pressure drop:	450 Pa	450 Pa	450 Pa	450 Pa
Maximum operating temperature:	80 °C	80 °C	80 °C	80 °C
Maximum relative humidity:	100 %	100 %	100 %	100 %

The range of Filtra-Pak V bag filters covers a very wide performance range and meets the requirements of numerous civil and industrial facilities. These filters have medium and high efficiency rates, with limited pressure drops. This means fan energy consumption is limited. The filter media are made of glass fiber, self-extinguishing non-woven textile, progressively structured, coupled with a support sheet on the air outlet side that reinforces and protects the structure. The medium is applied on a galvanized steel sheet frame that can be opened to remove the filter at the end of its operative life. The Filtra-Pak V filter range is very strong, it has high dust holding capacities and assures a long operating life.

Applications

Filtra-Pak V filters are widely used in civil and industrial conditioning and ventilation systems. They are also suitable for: electronic, photographic, chemical, precision mechanical industries, and in computer rooms and telephone plants. They are often used in air treatment plants, in independent roof top conditioners and in ventilation units in general, in independent roof top conditioners and in ventilation units in general. According to the models and their efficiency rates these filters can be installed as sole filtration unit in all those cases where there is not an excessive quantity of dust or as pre-filters upstream of high efficiency or activated carbon filters.

Installation

For correct operating processes, air can pass through the filter in two different ways:
- horizontal air flow, the filter is perpendicular to the flow and the bags are arranged vertically
- top to bottom vertical air flow, the filter is perpendicular to the flow and the bags face downwards.

These filters are installed using special counter-frames (CT) that assure easy and rational removable and maintenance operations. The filters can be installed as single elements or in filtration walls.

Type	Bags	Dimensions (mm)						Nominal air rate flow		Filtration media	Initial pressure drop Pa	
P5V / P6V	n°	A		B		C		m^3/h	$m^3/s \times 10^{-3*}$	m^2	P 5 V	P 6 V
2 - 21 / 6	6	592	x	592	x	535		2000	555	4,0	45	50
2 - 21 / 8	8	592	x	592	x	535		2550	708	5,4	50	55
2 - 25 / 6	6	592	x	592	x	635		3000	833	4,8	55	60
2 - 25 / 8	8	592	x	592	x	635		3400	944	6,4	60	65
2 - 30 / 6	6	592	x	592	x	735		3000	833	5,5	45	50
2 - 30 / 8	8	592	x	592	x	735		3400	944	7,4	50	55
2 - 36 / 6	6	592	x	592	x	915		3400	944	7,0	55	60
2 - 36 / 8	8	592	x	592	x	915		4250	1180	9,3	60	65
3 - 21 / 5	5	490	x	592	x	535		1700	472	3,3	45	50
3 - 21 / 6	6	490	x	592	x	535		2250	625	4,7	50	55
3 - 25 / 5	5	490	x	592	x	635		2500	694	4,0	55	60
3 - 25 / 6	6	490	x	592	x	635		3000	833	5,7	60	65
3 - 30 / 5	5	490	x	592	x	735		2500	694	4,6	45	50
3 - 30 / 6	6	490	x	592	x	735		3000	833	6,4	50	55
3 - 36 / 5	5	490	x	592	x	915		2850	792	5,8	55	60
3 - 36 / 6	6	490	x	592	x	915		3700	1028	8,1	60	65
1 - 21 / 3	3	287	x	592	x	535		1000	278	2,0	45	50
1 - 21 / 4	4	287	x	592	x	535		1275	354	2,7	50	55
1 - 25 / 3	3	287	x	592	x	635		1500	417	2,4	55	60
1 - 25 / 4	4	287	x	592	x	635		1700	472	3,2	60	65
1 - 30 / 3	3	287	x	592	x	735		1500	417	2,8	45	50
1 - 30 / 4	4	287	x	592	x	735		1700	472	3,7	50	55
1 - 36 / 3	3	287	x	592	x	915		1700	472	3,5	55	60
1 - 36 / 4	4	287	x	592	x	915		2125	590	4,6	60	65

**1 $m^3/s \times 10^{-3}$ = 1 l/s*

BAG FILTERS
FILTRA-PAK V

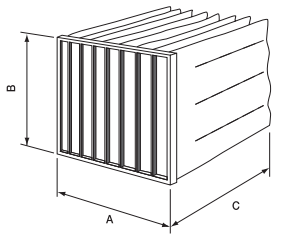
Fiber glass bag filters

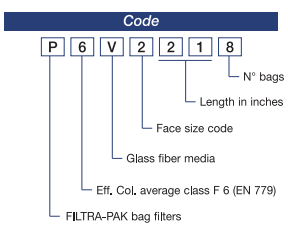
Filtra-Pak V

Type	Bags	Dimensions (mm)						Nominal air rate flow		Filtration media	Initial pressure drop Pa	
P8V / P9V	n°	A		B		C		m^3/h	$m^3/s x 10^{-3*}$	m^2	P 8 V	P 9 V
2 - 21 / 8	8	592	x	592	x	535		2550	708	5,4	90	110
2 - 21 / 10	10	592	x	592	x	535		3400	944	6,7	100	130
2 - 25 / 8	8	592	x	592	x	635		3400	944	6,4	110	140
2 - 25 10	10	592	x	592	x	635		4250	1180	8,0	130	170
2 - 30 / 8	8	592	x	592	x	735		3400	944	7,4	100	130
2 - 30 / 10	10	592	x	592	x	735		4250	1180	9,3	110	150
2 - 36 / 8	8	592	x	592	x	915		4250	1180	9,2	110	150
2 - 36 / 10	10	592	x	592	x	915		5100	1420	11,5	140	180
3 - 21 / 6	6	490	x	592	x	535		2000	555	4,0	90	110
3 - 21 / 8	8	490	x	592	x	535		2550	708	5,4	100	130
3 - 25 / 6	6	490	x	592	x	635		2550	708	4,8	110	140
3 - 25 / 8	8	490	x	592	x	635		3400	944	6,4	130	170
3 - 30 / 6	6	490	x	592	x	735		2550	708	5,5	100	130
3 - 30 / 8	8	490	x	592	x	735		3400	944	7,4	110	150
3 - 36 / 6	6	490	x	592	x	915		3400	944	6,9	110	150
3 - 36 / 8	8	490	x	592	x	915		4250	1180	9,3	140	180
1 - 21 / 4	4	287	x	592	x	535		1275	354	2,7	90	110
1 - 21 / 5	5	287	x	592	x	535		1700	472	3,3	100	130
1 - 25 / 4	4	287	x	592	x	635		1700	472	3,2	110	140
1 - 25 / 5	5	287	x	592	x	635		2125	590	4,0	130	170
1 - 30 / 4	4	287	x	592	x	735		1700	472	3,7	100	130
1 - 30 / 5	5	287	x	592	x	735		2125	590	4,6	110	150
1 - 36 / 4	4	287	x	592	x	915		2125	590	4,6	110	150
1 - 36 / 5	5	287	x	592	x	915		2550	708	5,8	140	180

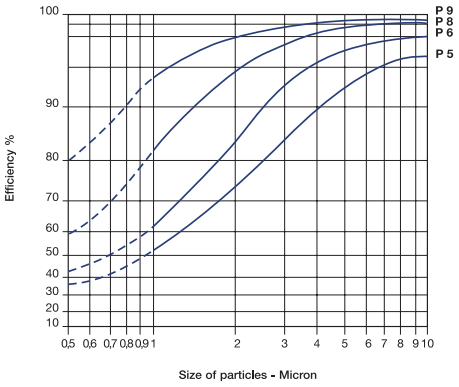
**1 m^3/s x 10^{-3} = 1 l/s*

Size





Typical curves



BAG FILTERS
FILTRA-PAK S

Automatic roll filters

Filtra-Pak S

The range of **Filtra-Pak S bag filters** covers a very wide performance range and meets the requirements of numerous civil and industrial facilities. These filters, according to the model, have different arrestance and efficiency values with limited pressure drop level. This means fan energy consumption is limited. The filter media are made of synthetic, self-extinguishing and progressively structured micro-fibers (F1 – DIN 53438). No fibers are released during operation downstream of the filter. The medium is thermally welded and applied to a galvanized sheet steel frame that can be opened to remove the filter at the end of its operating life. The Filtra-Pak S filter range is very strong (the medium can bear high work pressures without flaking), it has high dust holding capacities and assures a long operating life.

Applications

Filtra-Pak S filters are widely used in civil and industrial conditioning and ventilation systems. They are often used as pre-filters upstream of high efficiency or activated carbon filters in air treatment plants, in independent roof top conditioners and in ventilation units in general. The models with higher efficiency rates can be installed as sole filtration units in all those cases where there is not an excessive quantity of dust in normal air cleanness conditions (ex. Close control conditioners for telephone plants). Filtra-Pak S bag filters are also used in painting plants and drying systems.

Installation

For correct operating processes, air can pass through the filter in two different ways:

- horizontal air flow, the filter is perpendicular to the flow and the bags are arranged vertically
- top to bottom vertical air flow, the filter is perpendicular to the flow and the bags face downwards.

These filters are installed using special counter-frames (CT) that assure easy and rational removable and maintenance operations. The filters can be installed as single elements or in filtration walls.

Product:	P3S	P4S	P5S	P6S	P8S	P9S
UNI EN 779 class:	G 3	G 4	F 5	F 6	F 7	F 8
EUROVENT class:	EU 3	EU 4	EU 5	EU 6	EU 7	EU 8
Am ASHRAE 52.1.1992:	80-90 %	90 %	---	---	---	---
Em ASHRAE 52.1.1992:	---	---	40-60 %	60-80 %	80/90 %	90/95 %
Suggested final pressure drop:	200 Pa	200 Pa	350 Pa	350 Pa	350 Pa	350 Pa
Maximum pressure drop:	250 Pa	250 Pa	450 Pa	450 Pa	450 Pa	450 Pa
Maximum operating temperature:	80 °C	80 °C	80 °C	80 °C	80 °C	80 °C
Maximum relative humidity:	100 %	100 %	100 %	100 %	100 %	100 %

Type	Bags	Dimensions (mm)			Nominal air rate flow		Filtration media	Initial pressure drop Pa	
P3S / P4S	n°	A	B	C	m^3/h	$m^3/s \times 10^{-3*}$	m^2	P 3 S	P 4 S
1 - 14 / 3	3	289	595	360	2125	590	1,4	50	80
3 - 14 / 5	5	490	595	360	3400	944	2,2	50	80
2 - 14 / 6	6	595	595	360	4250	1180	2,7	50	80
1 - 20 / 3	3	289	595	510	2550	708	1,9	60	90
3 - 20 / 5	5	490	595	510	4250	1180	3,2	60	90
2 - 20 / 6	6	595	595	510	5100	1426	3,8	60	90
P5S / P6S								P 5 S	P 6 S
2 - 21 / 6	6	592	592	535	2000	556	4,0	40	50
2 - 21 / 8	8	592	592	535	2550	708	5,4	50	60
2 - 25 / 6	6	592	592	635	3000	833	4,8	50	60
2 - 25 / 8	8	592	592	635	3400	944	6,4	60	70
3 - 21 / 5	5	490	592	535	1650	458	3,3	40	50
3 - 21 / 6	6	490	592	535	2100	583	4,7	50	60
3 - 25 / 5	5	490	592	635	2100	583	4,0	50	60
3 - 25 / 6	6	490	592	635	2800	778	5,7	60	70
1 - 21 / 3	3	287	592	535	1000	278	2,0	40	50
1 - 21 / 4	4	287	592	535	1275	354	2,7	50	60
1 - 25 / 3	3	287	592	635	1500	417	2,4	50	60
1 - 25 / 4	4	287	592	635	1700	472	3,2	60	70
P8S / P9S								P 8 S	P 9 S
2 - 21 / 8	8	592	592	535	2550	708	5,4	80	110
2 - 21 / 10	10	592	592	535	3400	944	6,7	110	140
2 - 25 / 8	8	592	592	635	3400	944	6,4	110	140
2 - 25 / 10	10	592	592	635	4250	1180	8,0	130	170
3 - 21 / 6	6	490	592	535	2100	583	4,0	80	110
3 - 21 / 8	8	490	592	535	2800	778	5,4	110	140
3 - 25 / 6	6	490	592	635	2800	778	4,8	110	140
3 - 25 / 8	8	490	592	635	3500	972	6,4	130	170
1 - 21 / 4	4	287	592	535	1275	354	2,7	80	110
1 - 21 / 5	5	287	592	535	1700	472	3,3	110	140
1 - 25 / 4	4	287	592	635	1700	472	3,2	110	140
1 - 25 / 5	5	287	592	635	2125	590	4,0	130	170

**1 $m^3/s \times 10^{-3}$ = 1 l/s*