

Synthetic Bag filters

Filtra - Pak TS



The range of Filtra-Pak TS 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 TS 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 TS 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 cleanliness conditions (ex. Close control conditioners for telephone plants).

Filtra-Pak TS 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.

Type	Bags	Dimensions (mm)			Nominal air rate flow m ³ /h	Filtration media m ²	Initial pressure drop Pa	
		A	B	C			TP 3 S	TP 4 S
TP3S/ TP4S	n°							
1 - 14 / 3	3	289	x 595	x 360	2125	590	1,4	50 80
3 - 14 / 5	5	490	x 595	x 360	3400	944	2,2	50 80
2 - 14 / 6	6	595	x 595	x 360	4250	1180	2,7	50 80
1 - 20 / 3	3	289	x 595	x 510	2550	708	1,9	60 90
3 - 20 / 5	5	490	x 595	x 510	4250	1180	3,2	60 90
2 - 20 / 6	6	595	x 595	x 510	5100	1426	3,8	60 90
P5S / P6S								P 5 S P 6 S
2 - 21 / 6	6	592	x 592	x 535	2000	556	4,0	40 50
2 - 21 / 8	8	592	x 592	x 535	2550	708	5,4	50 60
2 - 25 / 6	6	592	x 592	x 635	3000	833	4,8	50 60
2 - 25 / 8	8	592	x 592	x 635	3400	944	6,4	60 70
3 - 21 / 5	5	490	x 592	x 535	1650	458	3,3	40 50
3 - 21 / 6	6	490	x 592	x 535	2100	583	4,7	50 60
3 - 25 / 5	5	490	x 592	x 635	2100	583	4,0	50 60
3 - 25 / 6	6	490	x 592	x 635	2800	778	5,7	60 70
1 - 21 / 3	3	287	x 592	x 535	1000	278	2,0	40 50
1 - 21 / 4	4	287	x 592	x 535	1275	354	2,7	50 60
1 - 25 / 3	3	287	x 592	x 635	1500	417	2,4	50 60
1 - 25 / 4	4	287	x 592	x 635	1700	472	3,2	60 70
P8S / P9S								P 8 S P 9 S
2 - 21 / 8	8	592	x 592	x 535	2550	708	5,4	80 110
2 - 21 / 10	10	592	x 592	x 535	3400	944	6,7	110 140
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
3 - 21 / 6	6	490	x 592	x 535	2100	583	4,0	80 110
3 - 21 / 8	8	490	x 592	x 535	2800	778	5,4	110 140
3 - 25 / 6	6	490	x 592	x 635	2800	778	4,8	110 140
3 - 25 / 8	8	490	x 592	x 635	3500	972	6,4	130 170
1 - 21 / 4	4	287	x 592	x 535	1275	354	2,7	80 110
1 - 21 / 5	5	287	x 592	x 535	1700	472	3,3	110 140
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 m³/s x 10⁻³ = 1 l/s

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