

# BAG FILTER ePM<sub>1</sub> 85%



ePM<sub>1</sub>  
85%  
ISO 16890



Bag filter with media of glass fibre and wood composite frame is a well-tested, recyclable and cost-effective air filter. The filter is made with conical bags which gives optimum air flow, an even distribution of the dust and maximum utilization of filter media. This ensures long service life and low pressure drop for the filter class and thereby low energy consumption.



<b>Applications:</b>	Supply and/or exhaust air filters for ventilation and climate installations with <b>very high demands</b> on air quality, as well as pre-filters for clean rooms and chemical filters. Standard for Njord air purification units, Njord XP-2 and XP-4.
<b>Frame:</b>	25 mm wood composite - Hoku* (hygiene approved according to DIN EN ISO 846)
<b>Filter media:</b>	Microglass fiber
<b>Filter class:</b>	ePM <sub>1</sub> 85% according to ISO 16890
<b>Temp./Humidity:</b>	Max 70°C / 100% RH
<b>Max airflow:</b>	+/- 25% of nominal airflow
<b>Final pressure drop:</b>	Recommended 250 Pa for best economy (tested to 300 Pa)
<b>Environment:</b>	Fully recyclable by combustion
<b>Other:</b>	The filters are delivered in environmentally friendly resealable box with practical carrying handle. Respiratory mask and return plastic bag are available on request.

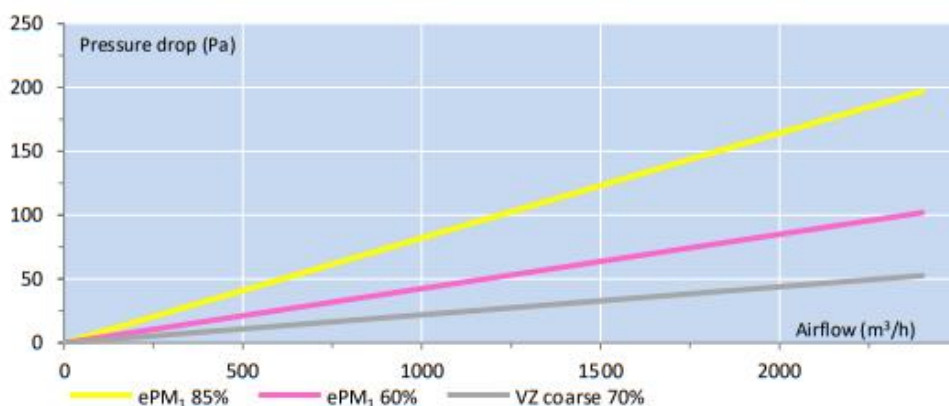
**1582 kWh/year**  
Energy class C ePM1  
Tested at Interfil  
ref. 0001 46 32

ePM <sub>1</sub>	ePM <sub>2.5</sub>	ePM <sub>10</sub>	Initial pressure drop [Pa]	Dust holding capacity [at 300 Pa]	Energy consumption [kWh/year]
<b>86%</b>	<b>90%</b>	<b>97%</b>	<b>129</b>	<b>887</b>	<b>1582</b>

Test results for filter 592x592x635 / 10 (according to ISO 16890)

Dimension [WxHxD]	Number of pockets	Filter area [m <sup>2</sup> ]	Weight [kg]	Airflow [m <sup>3</sup> /h]	Pressure drop* [Pa]
<b>795x490x290</b>	<b>12</b>	<b>3,7</b>	<b>1,2</b>	<b>1500</b>	<b>123</b>

\* calculated pressure drop



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