



VOKES AIR

Taking small steps together, always ahead, towards a better world

AFP-AZ Comfort

Rigid Pocket Filter for Odour Removal



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Rigid Pocket Filter for Odour Removal

APPLICATIONS



Clean Air



Power Generation



Clean Room



Industrial

KEY FACTS

- ▶ **Nominal air flow of 3400 m³/h per cell**
Suitable for environments with high air flows requirements
- ▶ **Low Pressure Drop**
Reduces energy consumption and lowers operating costs
- ▶ **Large filter surface of 10 m²**
For a longer life and high retention capacity
- ▶ **Activated carbon composite material**
No dust generation
- ▶ **Fully incinerable, plastic cavity profile frame**
For simple, environmentally-friendly disposal
- ▶ **Lightweight**
Simplifies handling, installation and removal
- ▶ **Compact – installation depth only 300 mm**
Installed in standard bag filter framework
- ▶ **Self supporting and rigid**
For reliability in operation

Odour removal filter AFP-AZ Comfort is an efficient solution for removing gaseous, odourous compounds from room air. Odours may occur in ambient air, fed to a building, due to impact from a car or airplane exhaust. Moreover they occur due to material emissions and processes indoors.

AFP-AZ Comfort removes odours efficiently and for a long service time. It improves the air quality and positively affects symptoms relating to “Sick Building Syndrome”.

AFP-AZ Comfort purifies the air by making use of a high-quality activated carbon composite material. The composite material is based on fine grain granular adsorbents embedded into a synthetic textile matrix.

AFP-AZ Comfort filters can be supplied in 4 standard sizes.

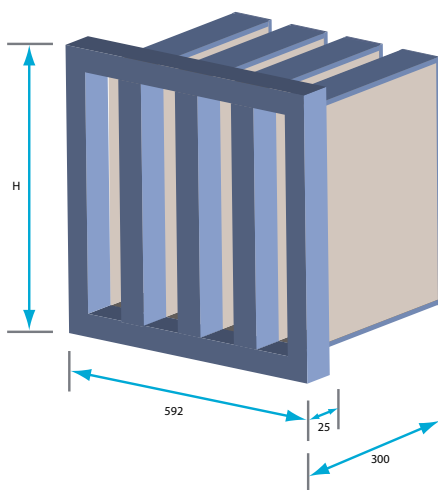


Technical Data	Units	610	508	420	305
Nominal Air Flow (normal service life)	m ³ /h	3400	2700	2300	1700
Pressure Drop	Pa	60	60	65	130
Nominal Air Flow (long service life)	m ³ /h	1700	1350	1150	850
Pressure Drop	Pa	17	17	20	20
Total Weight • Carbon Weight	Kg	8.4 • 4.2	7.2 • 3.4	5.8 • 2.9	4.5 • 1.9
Spontaneous Efficiency – toluene ¹⁾	%	> 95	> 95	> 95	> 95
Adsorption Capacity ¹⁾	g	950	770	660	430

Installation and Disposal

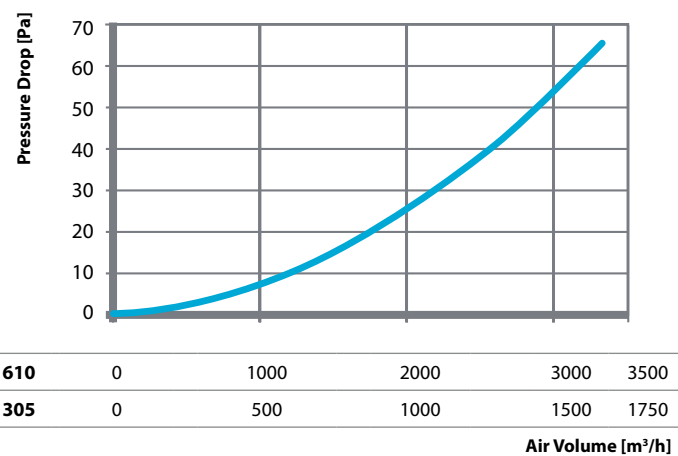
AFP-AZ Comfort can be easily installed in standard fine dust filter frames. Service life should be two years under normal conditions of climate and air contamination, but filters should be changed and serviced according to national hygienic standards for air handling units.

Filters that have been used under standard environmental conditions can be disposed as industrial waste (incineration/landfill, please refer to local regulations). Filters soiled by toxic and/or radioactive constituents must be disposed as hazardous waste in accordance with local regulations.



▲ Dimensions (mm)

Pressure Drop versus Air Flow



Materials

Frame material	Polystyrene, free of halogenated compounds, incinerable ²⁾
Filter material	Synthetic meltblown composite; synthetic fibre composite material with fine grain activated carbon embedded
Sealant	Polyurethane

Operation Conditions

Maximum operation temperature	< 50 °C
Recommended operation temperature ³⁾	< 30°C
Maximum relative humidity ³⁾	< 90%
Recommended relative humidity	< 60%

1) Test according to DIN 71460 "Road vehicles – air filters for passenger compartments – Part 2: Test for gaseous filtration". 2) Flammability classification of materials used: F1/K1 according to DIN 53438.

3) Deviations from the operation condition cause a reduction of efficiency. Deviation from more than one of the operation conditions would cause a significant loss of performance.

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In view of continuous research and development we reserve the right to modify specifications and dimensions without prior notice. For quoted standards, the issue valid at the print date of this leaflet is relevant.
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