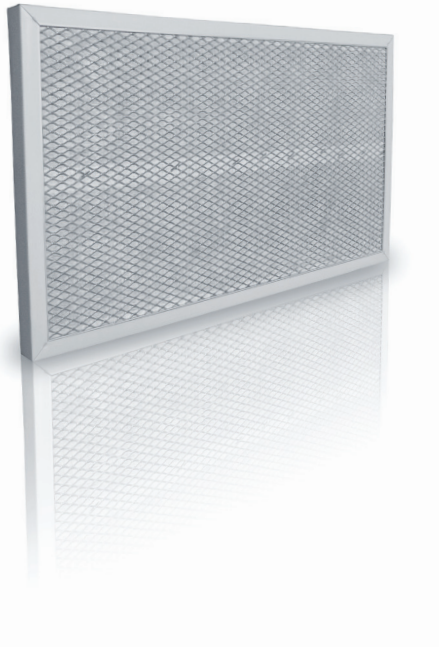




HS-Carbopanel PB



HS-Carbopanel PB is used for the filtration of exhalation, hydrocarbon compounds or other gaseous or rather molecular atmospheric pollutions. The design unites the demand for small sizes with the advantage of the adsorptive capacity of not bonded carbon. The filter panels are filled with premium, asymmetric formed granulate of activated carbon (if required with other sorbent compositions).

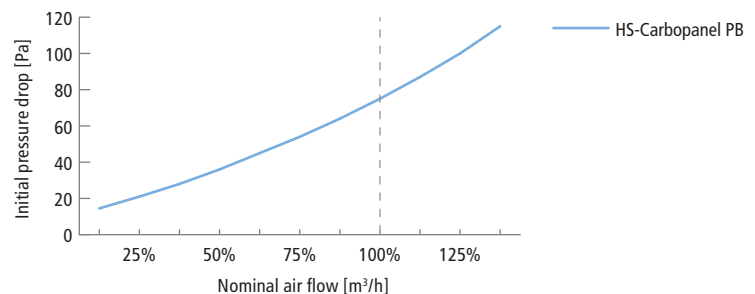
This advantages a turbulent air flow through the bed of carbon and allows a better utilization of the capacity instead of common carbon. Since the small part of ash and the optimized structure of pores above-average rates of adsorption can be achieved. The frame (depth only 25 mm) encapsulates the activated carbon securely between two corrosion resistant metal grills in a safety fleece which is filter for abrasion, too. Flexible tensions in the filter housing keep the carbon under pressure that it cannot slip away. Bypasses in the active carbon are impossible.

HS-Carbopanel PB can be adapted to the individual need of your processes. The size is variable to a maximum edge length of 650 mm and the activated carbon can be chosen according to the contaminant spectrum for the optimal performance.

HS-Carbopanel PB	
Filtermedia	standard: activated carbon (> 1200 m ² /g, CTC: >50%) optional: HS-Clean Pro, Silika Gel, Zeolithe
Initial-ΔP [Pa] with std. carbon.	75
Contact time @ nominal flow [sec]	0,1 sek.
Adsorption capacity VOC [g]	> 380 g
Max. ambient temperature [°C]	40°

Width	Dimension [mm] Height	Depth	Nominal air flow [m ³ /h]	Activated carbon Volume [ltr.]
592	592	25	300	appx. 8,8
490	592	25	245	appx. 7,2
287	592	25	150	appx 4,2

Please ask for other desired dimensions and designs.



Example applications

- odour removal (kitchen exhaust air, workplace exhaustion)
- filter element for small exhaustion systems
- removal of kerosine odours at airports
- smell and restemission removal at smoke and oilfog extraction
- emission- and odour removal at printing machines or shops
- protective filter for electric control cabinets or switchboards against traces of corrosive / harmful gasses

Frame

- galv. steel, fitting for bag filter mounting frame (Dok.-ID: 10/D08)

Operational conditions

- max. rel. h. up to 65 [%], max. temp. 40°C

Gasket options	height [mm]	form
seamless foamed polyurethane gasket (standard)	6 or 8	
flat sectionized neoprene gasket	6 or 8	

