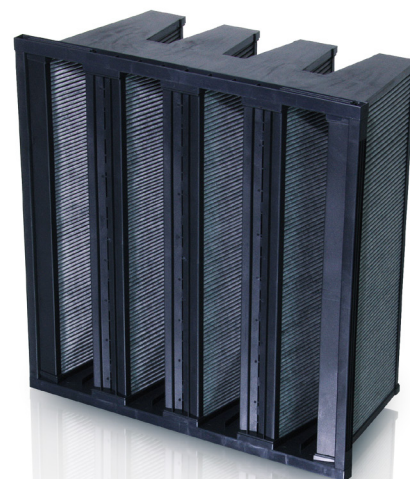


HS-Carbo Pak² AK, HS-Carbo Pak² FAK – Compact filter

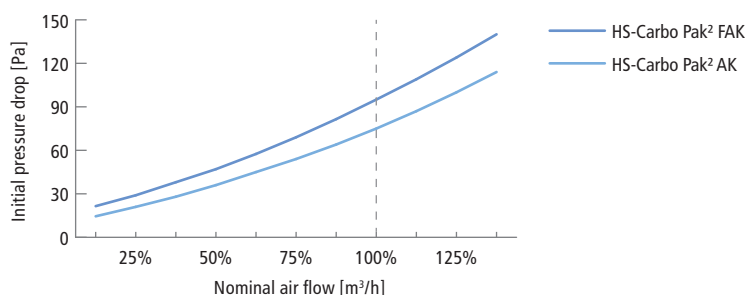
HS-Carbo Pak² remove odours and improve the indoor air quality in air-conditioned buildings. These filters contribute to avoid „sick building syndrome“ and remove air impurities which causes symptoms like nausea or headaches. Gaseous or odourous contaminations may be fed to the indoor air by car, train, plane exhausts or by offgassing of indoor furniture, paints, carpet glues etc. Especially with untreated circulating air such compounds start to concentrate. HS-Carbo Pak² purifies the air from such compounds. The filtermedia consists of textile bound granules of microcarbon. Thanks to its structure it offers excellent adsorption ratings even at short contact times. HS-Carbo Pak² FAK is offering a combined filter media with an additional particle filtration layer. This type allows secure particle and finedust filtration together odours and gas filtration. HS-Carbo Pak² FAK allows the easy upgrade of existing ventilations systems to achieve a safe removal of gases and odours beside the usual fine dust filtration. Even single stage filterstags can thus be directly upgraded replacing a single stage particle or odour filter with the more effective combination unit. HS-Carbo Pak² AK and HS-Carbo Pak² FAK fulfill the requirements for the filtration of Class ODA3 outdoor air according to ISO 13779.



Type	HS-Carbo Pak ² AK	HS-Carbo Pak ² FAK
Filtermedia	PES / Microcarbon	PES-PP / Microcarbon, particle filter class: ISO 16890: ePM1 50%
Initial-ΔP [Pa]	75	95
Recc. final-ΔP [Pa]	no change of pressure	450
max. ambient temp. [°C]	40°	40°

Filterclass acc. to ISO 10121-3	HS-Carbo Pak ² AK	HS-Carbo Pak ² FAK
Ozone	MD 70	MD 70
NO ₃	vLD 60	vLD 60
SO ₃	VLD 30	VLD 30
Toluene	MD 80	MD 80

Dimension [mm]			Nominal air flow [m ³ /h]
Width	Height	Depth	
592	287	292	1650
592	490	292	2800
592	592	292	3400



Frame plastic (polystyrene) with 25 mm circulating flange, fitting for std. mounting frames (Dok.-ID: 10/D08)

Operational conditions

- max. rel. h. 75 [%],
- max. 40 °C ambient temperature

Initial adsorption

- CCL₄: 50 - 60 %
- O₃: >90%

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

documents might be subject to change / issue March 2024