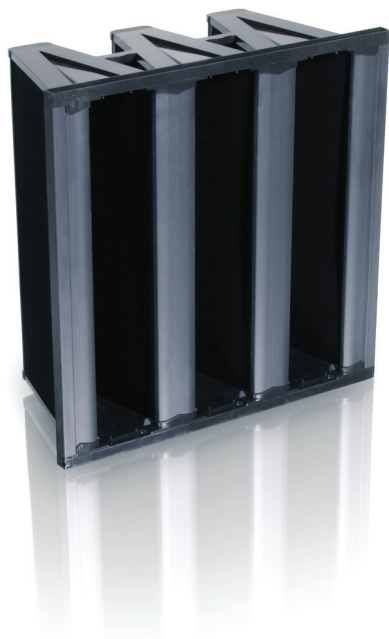




HS-Carbo Pak – Compact molecular filter



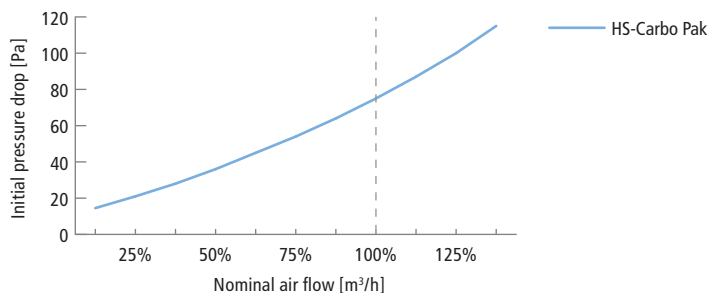
HS-Carbo Paks are suitable for adsorbing low amounts of organic contaminations such as ozone, nitric oxide, hydro-carbon, dioxin, or sulphur dioxide out of outside air inlets. Existing filtration systems can easily be combined with HS-Carbon Paks.

The filtration media consists of pads made from highly activated carbon foam.

The foam pads are placed into a durable, corrosion-free plastic frame. HS-Carbo Pak is completely metal-free, totally incinerable and therefore easy to dispose.

Alternatively, the filter can be equipped with a foam endless gasket on the surrounding 25-millimeter flange.

HS-Carbo Pak			
Filtermedia	activated carbon foam		
Initial- ΔP [Pa] standard configuration	30 - 75		
max. ambient temp. [°C]	40°		
Width	Dimension [mm]		Nominal air flow [m ³ /h]
	Height	Depth	
592	592	292	1700 – 3400
590	592	292	1500 – 2900
287	592	292	850 – 1700
Gas	Efficiency	Appx. lifetime	Concentration
Hydrocarbons (i.e. Toluol)	> 85 %	ca. 1 Jahr	0 – 50 $\mu\text{g}/\text{m}^3$
NO ₂	> 90 %	> 1 Jahr	0 – 50 $\mu\text{g}/\text{m}^3$
SO ₂	> 90 %	> 1 Jahr	0 – 50 $\mu\text{g}/\text{m}^3$
Ozon O ₃	> 95 %	> 1 Jahr	0 – 150 $\mu\text{g}/\text{m}^3$



Areas / examples of use

- odour removal
- extracts pollution out of outside air inlets in cities (sulphur dioxide, nitric oxide, ozone, exhausts)
- cleans air from organic substances, such as solvents or traces of fuel

Examples where HS-Carbo Pak are not recommended

- extraction of radio-active or toxic concentrations of gases
- adsorption of high amounts of organic substances
- adsorption of ammonia

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