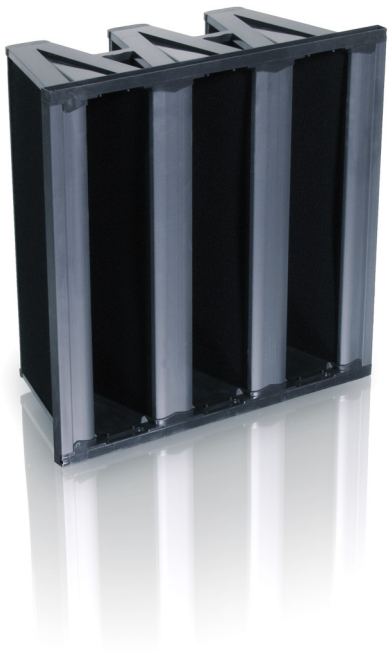
# HS-Carbo Pak – Compact molecular filter



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.

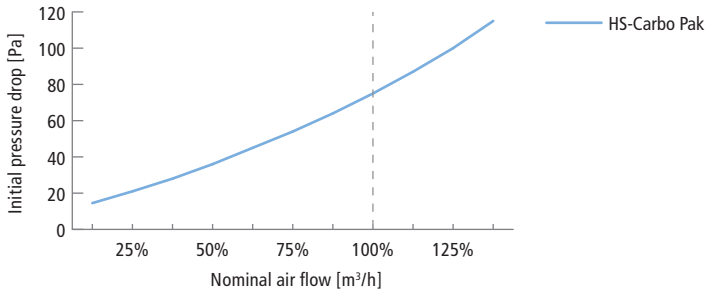
The foam pads are placed into a durable, corrosion-free plastic frame. HS-Carbo Pak is completely metal-free, totally incinerable and therefore easy to dispose.

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° |

| Dimension [mm] | | | Nominal air flow |
|---|---|---|---|
| Width | Height | Depth | [m³/h] |
| 592 | 592 | 292 | 1700 – 3400 |
| 592 | 490 | 292 | 1500 – 2900 |
| 592 | 287 | 292 | 850 – 1700 |

| Filterclass acc. ISO 10121-3 | 1700 m³/h | 3400 m³/h |
|---|---|---|
| Ozone | vLD 65 | vLD 30 |
| $NO_2$ | vLD 30 | vLD 20 |
| $SO_2$ | vLD 15 | vLD 10 |
| Toluene | vLD 75 | vLD 60 |




| | |
|---|---|
| Areas / examples of use | ▪ odour removal<br>▪ extracts pollution out of outside air inlets in cities (sulphur dioxide, nitric oxide, ozone, exhausts)<br>▪ 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<br>▪ adsorption of high amounts of organic substances<br>▪ adsorption of ammonia |

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



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