

KS WA – panel filter

Panel filter for elimination of gaseous harmful substances and odours

Dimensions ranges

according to the customer's requirements
(h × w maximally up to 610 mm)

Possibility of regeneration

No



Filter properties

The KS WA panel filter is an efficient solution for separation of gaseous harmful substances and odours. Its use enables to achieve a substantial improvement of air quality. The KS WA panel filter is a new generation of filters, so-called dual-phase, for adsorption of fine dust and the entire spectrum of gaseous harmful substances and harmful organic substances

Filter description

The KS WA filter is made from a special filter medium that consists of multiple layers and contains up to 400 g/m² of activated carbon. The medium is pleated in order to get a maximum filter area and consequently mounted and sealed into a robust plastic frame. It is a brand new filter suitable and efficient for adsorption of organic hydrocarbons (VOCs), DOP, BHT, silicone, MEK, EL, PGME, THFA, exhaust gases of combustion and diesel engines, asphalt vapours, tar vapours, kerosene vapours, benzene vapours, vapours from solvents, e.g. from paints and varnishes, vapours from glues, rubber and cleaning agents, air pollutants (so-called anthropogenic agents), smog, ozone, body, civilisational, cosmetic and cigarette odours, hospital, alcohol and antiseptic odours, odours from kitchens and foodstuffs, putrid odours and many other gaseous harmful substances. This filter has a very low initial pressure loss. The pressure loss is 10 Pa at flow rate of 100 m³/h and 30 Pa at flow rate of 500 m³/h. That is why the filter belongs among low-energy filters.

Fields of application

As a main and efficient filter in KS NICE AIR units. It is also used mainly in air-handling systems, airport terminals, hotels, restaurants, administrative buildings, museums, libraries, hospitals, households, etc. An efficient solution for filtration of harmful aerosols during smog threats.



Waste disposal

The filter is fully incinerable

Advantages of KS WA

- high adsorption efficiency > 95 %
- low pressure losses – energy costs savings, possibility of retrofitting into air-handling equipment
- filtration of fine dust particles F7 and separation of harmful substances and odours in one phase
- no flue dust
- no back desorption
- solid plastic frame (ABS)
- for installation into standard frames and skids like pocket filters
- low weight – easy handling

