Active Carbon Test

AFPRO Filters produces active carbon filters for air purification. Made from natural raw materials, the charcoal used by AFPRO Filters has an adsorption capacity that can exceed 40% of its weight. Strongly activated, it ensures the long life of the filters. Filters are available that contain a small amount of activated carbon and panels or caissons that are composed of pellets with a high amount of activated carbon. These filters are ideal against odors and polluted environments.

Use of ACTIVE coal

Activated carbon is widely used for the adsorption and deodorization of gaseous components in the air. It is used to purify the air and remove odors and to remove oils and organic substances (aromatic compounds, pesticides, alcohol). In summary, active carbon filters hunt unwanted scented molecules, improve air quality and limit harmful effects. In many cases, activated carbon is impregnated to reduce the emission of toxic gases.

The benefits of active coal

At nominal load, the active carbon filters manufactured by AFPRO Filters have the following advantages:

- Low pressure vessel
- Large area
- Good adsorption capacity
- Long lifespan
- Available in standard format
- Rechargeable

At nominal load, the active carbon filters manufactured by AFPRO Filters effectively absorb the following odors:

- Smells of cooking
- Solvents
- Smells of waste and waste water
- Gasoline and diesel vapors
- Animal odors
- Recycled air

Applications

Activated carbon is used in many areas such as museums, airports, kitchens, industries and nuclear environments.

Absorption test of active carbon

Choosing a suitable active carbon filter is a complex process, AFPRO Filters sales managers can help you with this. Our teams advise you and ensure that your filters are replaced at the right time. Applying to AFPRO Filters is therefore the guarantee for obtaining an active carbon filter that corresponds to the molecules to be treated.

The tests make it possible to estimate the service life of the filters and to measure other parameters:

- Concentration of carbon tetrachloride
- Measurement of moisture content
- Measurement of volatile substances
- Size analysis by seven
- Microscopic analysis

The first three tests are the standard measurements of an adsorption test to determine the remaining service life. Other tests can be performed to assess the adsorption capacity of activated carbon for specific substances.