



# SAF

## CARBOFILT activated carbon filters

<i>Product</i>	SAF
<i>Maximum air flow rate</i>	160 % of nominal
<i>Maximum operating temperature</i>	60 °C
<i>Maximum relative humidity</i>	60 %
<i>Applications: odors, steam and organic solvents</i>	Carbon type 2.0
<i>Application: acid gas, H2S, SO2, etc.</i>	Carbon type 2.1
<i>Application: formaldehyde</i>	Carbon type 2.2
<i>Application: nuclear, radioactive isotope, radioactive nuclide</i>	Carbon type 3.0
<i>Optional: construction</i>	AISI 304 stainless steel

SAF activated carbon filters have high quantities of activated carbons used to remove the odors in civil facilities and the vapors produced by industrial processes, even in great concentrations. Their design and construction complies with the international standards in force for the military and nuclear sector. They guarantee the treatment of all contaminated fluid, without by-pass. SAF filters are made of a galvanized steel sheet panels with electrolytic procedure, containing activated carbon, installed in an external frame, also in electrolytic galvanized sheet. The filter is also fitted with a closed cell neoprene front gasket. The air containing odors and gas pas-

ses through the activated carbons inside the panels and comes out purified and odorless. SAF filters have high activated carbon quantities and are suitable for high odor concentration levels.

**Applications** SAF activated carbon filter are recommended in civil, industrial and special areas, with average and high quantities of odors and gas; they also meet the requirements of processing plants. They guarantee extended air cleaning and they contribute to the reduction of external ventilation air flow, hence they significantly limit energy consumption levels.

**Installation** SAF filters can be installed in air treatment plants, downstream of high efficiency filters. As for all other types of filters during installation it is very important to avoid any air by-pass around the activated carbon filter. SAF filters can also be used in duct housing in Multimod elements or in Canister systems. The installation position of the filter can be either horizontal or vertical. To establish the end of the operating life of the filter (saturation of carbons), you need to foresee connections both upstream and downstream of the filter for olfactory evaluations of the air.

Code	Type	Sizes (mm)			Nominal air flow rate Q.		Initial pressure drop Pa	Carbon cont. kg		
		A	B	C	m³/h	m³/sx10 <sup>-3</sup>				
SAF	carbon									
52 / 2.0	P 2.0	610	x	305	x	298	450	125	200	17
52 / 2.1	P 2.1	610	x	305	x	298	450	125	220	17
52 / 2.2	P 2.2	610	x	305	x	298	450	125	250	17
52 / 3.0	P 3.0	610	x	305	x	298	450	125	300	17
5 / 2.0	P 2.0	610	x	610	x	298	950	264	200	34
5 / 2.1	P 2.1	610	x	610	x	298	950	264	220	34
5 / 2.2	P 2.2	610	x	610	x	298	950	264	250	34
5 / 3.0	P 3.0	610	x	610	x	298	950	264	300	34

\*1 m³/s x 10<sup>-3</sup> = 1 l/s

### Size

