

## AIR PURIFICATION SYSTEMS

	BASIS	PROCESS	REMOVED ELEMENTS	MAINTENANCE	RESULTS
<b>HEPA FILTERS</b>	Particle filtration	Suction, filtration and exhaust air	Particles > 0,3 microns	Change of filters Removal of stoppers	Variations in suction Do not eradicate viruses Do not remove VOCs
<b>MERV FILTERS</b>	Particle filtration in air conditioning	Suction, filtration and exhaust air	Particles > 10 microns		Do not trap microorganisms Do not trap viruses Do not work with VOCs
<b>Charcoal Filters</b>	Particle filtration	Suction, filtered through microscopic sponge and air outlet	Odours & certain VOCs		Emission of gases and odours with any change in temperature
<b>Electrostatic Precipitators</b>	Electric load plate to attract dust		Dust collection	Clean collector maintenance	Generates ozone
<b>Ozono Generators</b>	Use of gaseous hydroxyl radicals	Production of gaseous hydroxyl radicals by ozone	Odour elimination		Attack on any organic element Inability to use in sufficient doses to destroy microbes
<b>BIOKKER</b>	<b>Photocatalysis by titanium dioxide and zirconium dioxide / UV Light</b>	<b>Elimination by oxidation of VOCs and environmental pathogens</b>	<b>All types of microorganisms, volatile organic compounds and odours</b>	<b>Annual replacement of ultraviolet lamps</b>	<b>Reduction of pathogens, fungi, spores, bacteria and allergens Odour reduction Reduction of cross-contamination Impossibility of appearance of new colonies</b>