IQAir® Media Selection Chart for Airborne Contaminant Control

Gaseous Contaminants & Particulate Pollutants	Formula / Abbreviation	IQAir® HyperHEPA® Filter	IQAir® Gas Phase Media				
			VOC	MultiGas™	ChemiSorber	AM	AcidPro*
● = recommended as first choice for the respective gaseous contaminant ○ = alternative choice for the respective gaseous contaminant ● = recommended choice for the control of the respective particulate pollutant							
A							
Acetaldehyde	C_2H_4O			○	●		
Acetic acid	$C_2H_4O_2$			○	●		
Acetone	C_3H_6O			○	●		
Acetonitrile	C_2H_3N		●	○			
Acid gases					○		●
Acrylaldehyde (Acrolein)	C_3H_4O			○	●		
Acrylic acid	$C_3H_4O_2$				●		○
Acrylonitrile	C_3H_3N		●	○			
Alcohols			●	○			
Aldehydes				○	●		
Alkanes			●	○			
Alkenes			●	○			
Amines			○			●	
Ammonia	NH_3					●	
Aniline	C_6H_7N		●	○			
Anorganic acids			○				●
Aromatics			●	○			
Arsenic hydride (Arsine)	AsH_3			○	●		
Aspergillus spp.		●					
Asbestos		●					
B							
Bacteria		●					
Benzene	C_6H_6		●	○			
Benzine (Petroleum ether)			●	○			
Benzo(a)pyrene	$C_{20}H_{12}$	○	●				
Black carbon	BC	●					
Bromine	Br_2		●	○			
BTX (Benzene, Toluene, Xylene)			●	○			
Butane	C_4H_{10}		●	○			
Butanol (Butyl alcohol)	$C_4H_{10}O$		●	○			
Butanone	C_4H_8O		●	○			
Butyl acetate	$C_6H_{12}O_2$		●	○			
Butyl acrylate	$C_7H_{12}O_2$		●	○			
C							
Caproic acid	$C_6H_{12}O_2$		○				●
Caprylic acid	$C_8H_{16}O_2$		○				●
Carbon dioxide	CO_2	cannot be effectively controlled					
Carbon disulphide	CS_2		●	○			
Carbon monoxide	CO	cannot be effectively controlled					
Carbon tetrachloride	CCl_4		●	○			
Carbonyl sulfide	COS			○	●		
Chlorine	Cl_2		○				●
Chloroanisoles			●	○			
Chloroform (Trichloromethane)	$CHCl_3$		●	○			
Chloroprene	C_4H_5Cl		●	○			
Cresol	C_7H_8O		●	○			
Cyclohexane	C_6H_{12}		●	○			
Cyclohexanol	$C_6H_{12}O$		●	○			
Cyclohexanone	$C_6H_{10}O$		●	○			
D							
1,4-Dichlorobenzene	$C_6H_4Cl_2$		●	○			
1,2-Dichloroethane	$C_2H_4Cl_2$		●	○			
Dichloromethane	CH_2Cl_2		●	○			
Diesel soot		●					
Diesel vapours			●	○			
Dimethylamine	C_2H_7N		●	○			
Dimethylformamide (DMF)	C_3H_7NO		●	○			
Dioxane	$C_4H_8O_2$			○	●		
Dust		●					
Dust mite allergens		●					
E							
Epichlorohydrin	C_3H_5ClO		●	○			
Esters			●	○			
Ethanol (Ethyl alcohol)	C_2H_6O		●	○			
Ethers			●	○			
Ethyl acetate	$C_4H_8O_2$		●	○			
Ethyl formate	$C_3H_6O_2$		●	○			
Ethylbenzene	C_8H_{10}		●	○			
Ethylene	C_2H_4			○	●		
Ethylene oxide	C_2H_4O			○	●		
F							
Formaldehyde	CH_2O			○	●		
Formic acid	CH_2O_2						●
Fungal spores		●					
Fungicides				●			
H							
Halogens			●	○			
Halomethanes			●	○			
Herbicides				●			
Hexachlorocyclohexane	$C_6H_6Cl_6$		●	○			
Hexane	C_6H_{14}		●	○			
Hydrazine	N_2H_4				●		
Hydrocarbons, general			●	○			
Hydrochloride	HCl		○				●
Hydrogen bromide	HBr		○				●
Hydrogen chloride	HCl		○				●
Hydrogen cyanide	HCN			○	●		
Hydrogen fluoride	HF				●		○

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Hydrogen sulphide	H_2S			○	●		
I							
Isocyanate (Diisocyanates)			●	○			
K							
Ketones			○	●			
M							
Maleic anhydride	$C_4H_2O_3$		●	○			
Mercaptans				○	●		
Mercury vapour	Hg	Dental Hg / Dental Pro					
Methanol (Methyl alcohol)	CH_4O		●	○			
Methyl ethyl ketone (MEK)	C_4H_8O		●	○			
Methyl isobutyl ketone (MIBK)	$C_6H_{12}O$		●	○			
Methyl methacrylate	$C_5H_8O_2$		●	○			
Methylamine	CH_5N		○			●	
Methylene chloride	CH2Cl2		●	○			
Mould Spores		●					
N							
Naphthalene	$C_{10}H_8$		●	○			
Nicotine	$C_{10}H_{14}N_2$			○	●		
Nitric acid	HNO_3						●
Nitrogen oxides	NOx			○	●		
Nitrous oxide	N_2O						●
O							
Organic acids				●	○		
Organic odours			●	○			
Oxides of sulphur				○	●		
Ozone	O_3		●	○			
P							
Particulate matter	PM 10, PM 2.5	●					
Pentachlorophenol (PCP)	C_6HCl_5O	●	●	○			
Perchloroethylene (PCE)	C_2Cl_4		●	○			
Pesticides				●			
Pet allergens		●					
Phenol	C_6H_6O		●				○
Phenylhydrazine	$C_6H_8N_2$		●	○			
Phosgene (Carbonyl chloride)	CCl_2O		●	○			
Phosphine	PH_3			○	●		
Phosphorus trichloride	PCl_3		○	●			
Phthalates			●	○			
Pollen		●					
Polychlorinated Biphenyls (PCB)			●	○			
Polycyclic aromatic hydrocarbons (PAH)			●	○			
Propanol	C_3H_8O		●	○			
Pyridine	C_5H_5N			○	●		
R							
Radioactive Particulates							
S							
Solvent vapours			●	○			
Stibine	SbH_3			○	●		
Styrene	C_8H_8		●	○			
Sulphur dichloride	S_2Cl_2				●		○
Sulphur dioxide	SO_2			○	●		
Sulphur trioxide	SO_3			○	●		
Sulphuric acid	H_2SO_4		○				●
T							
Terpenes			●	○			
Tetrachloroethane	$C_2H_2Cl_4$		●	○			
Tetrachloroethylene	C_2Cl_4			○	●		
Tetrahydrofuran (THF)	C_4H_8O		●	○			
Tobacco smoke		●		●			
Toluene	C_7H_8		●	○			
Toner Dust		●					
1,1,1-Trichloroethane (Methylchloroform)	$C_2H_3Cl_3$		●	○			
Trichloroethylene (TCE)	C_2HCl_3		●	○			
Trichloromethane (Chloroform)	$CHCl_3$		●	○			
Triethylamine	$C_6H_{15}N$		○			●	
Trimethylamine	C_3H_9N		●	○			
Turpentine	$C_{10}H_{16}$		●	○			
U							
Ultra fine particles	UFP	●					
V							
Vinyl acetate	$C_4H_6O_2$		●	○			
Vinyl chloride	C_2H_3Cl		●	○			
Viruses		●					
Volatile organic compounds	VOCs		●	○			
X							
Xylene	C_8H_{10}		●	○			

* The IQAir **AcidPro** model is available only upon special request. Longer leadtimes may apply. Contact your Authorised IQAir Dealer for details.

Important Note: The actual indoor air quality improvements that can be achieved with air cleaning systems in an indoor environment depend not only on the right media choice and the system's airflow, but also on factors which are specific to that particular indoor environment. These include circumstantial factors such as temperature, humidity, contaminant mix, the source and intensity of the contaminants, the size of the indoor environment, the actual fan speed at which the system is operated and the state of saturation of the individual filter elements. Although a specific media may be recommended for the control of certain contaminants, the manufacturers make no claim as to the specific air cleaning results that can be achieved under the user's individual operating conditions.