

# AirClean® Systems

"THE FUME CONTROL EXPERTS"

## Activated Carbon Filters

Filter Type	Application
ACF100	General purpose filter for Hydrocarbons, Organic Vapors, Some Acids, Esters, Sulphur Compounds, Hydrogen Compounds, Solvents and Odors

## Activated Carbon Chemisorptive Filters

Filter Type	Application
ACFGLT	Glutaraldehyde and Formaldehyde
ACF300	Ammonia or Amines
ACF350	Alkaline Fumes
ACF400	Inorganic Acids
ACF410	Hydrogen Sulphide
ACF420	Hydrogen Cyanide
ACF430	Mercury Vapors
ACFMULTI	Multi-layered composite filter for Sulphur Dioxide, Sulfuric Acid, Bromine, Ammonia, Carbon Tetrachloride

## HEPA Filters

Filter Type	Application
ACFHEPA	Containment of particulate only. Filter efficiency 99.997% efficient for removal of particulate at 0.3 microns in size.

### Examples of chemicals that can be removed via an ACF100 filter

<b>Hydrocarbons</b> 1. Benzene 1. Naphthalene 1. Styrene Monomer 1. Toulene 1. Toluidine 1. Xylene 4. Acetylene 2. Iso Butane 2. Butylene 3. Butadiene 1. Cyclohexane 3. Hexylene 2. Pentane 3. Propane 2. Propylene  <b>Acids</b> 1. Acetic 1. Acetic Anhydride 1. Acrylic 1. Butyric 1. Caprylic 1. Carbolic 2. Formic (AC400*) 1. Lactic 1. Palmitic 1. Phenol 1. Propionic 1. Valeric  <b>Alcohols</b> 1. Ethyl 1. Amyl 1. Butyl	1. Cyclohexanol 1. Isopropyl 2. Methanol (Methyl) 1. Propyl  <b>Aldehydes &amp; Ketones</b> 2. Acetone 3. Acetaldehyde (ACGLT)* 2. Acrolein 2. Acrylaldehyde 2. Benzaldehyde 2. Butyraldehyde 1. Caproaldehyde 1. Crotonaldehyde 1. Cyclohexanone 1. Diethyl Ketone 1. Dipropyl Ketone 3. Formaldehyde (ACGLT)* 2. Glutaraldehyde (ACGLT)* 1. Mesityl Oxide 1. Methyl Ethylketone 1. Methyl Isobutylketone 2. Propionaldehyde 1. Valeraldehyde 1. Valeric Aldehyde  <b>Esters</b> 1. Butyl Acetate 1. Cellosolve Acetate 1. Ethyl Acetate 1. Ethyl Acrylate 2. Ethyl Formate 1. Isopropyl Acetate 2. Methyl Acetate 1. Methyl Methacrylate	<b>Ethers</b> 1. Amyl 1. Butyl 1. Cellosolve 1. Dioxane 2. Ethyl 2. Ethylene Oxide 1. Isopropyl 1. Methyl Cellosolve 2. Methyl 1. Propyl  <b>Halogens</b> 1. Bromine 1. Butyl Chloride 1. Carbon Tetrachloride 2. Chlorine 1. Chlorobenzene 1. Chlorobutadiene 1. Chloroform 1. Chloro-Nitropropane 1. Chloro-Picrin 1. Dibromethane 1. Dichlorobenzene 1. Dichlorodifluoro-Methane 1. Dichlorodifluoro-Ethane 1. Dichlorethane 1. Dichloroethylene 1. Dichloroethyl Ether 1. Dichloromethane 2. Dichloromonofluoro-Methane 1. Dichloropropane 2. Dichlorotetrafluoro-Ethane 2. Ethyl Bromide	1. Ethylene Clorohydrine 2. Fluortrichloromethane 3. Freon 3. Hydrogen Bromide (AC400)* 3. Hydrogen Chloride (AC400)* 3. Hydrogen Fluoride (AC400)* 2. Hydrogen Iodide (AC400)* 1. Iodine 1. Iodoform 2. Methyl Bromide 2. Methyl Chloride 1. Methyl Chloroform 1. Methylene Chloride 1. Monochlorobenzene 2. Monofluorotrichloro-Methane 1. Paradichlorobenzene 1. Perchloroethylene 2. Phosgene 1. Propyl Chloride 1. Tetrachloro-Ethane 1. Tetrachloro-Ethylene 1. Tri-chloro Ethylene 2. Vinyl Chloride  <b>Nitrogen Compounds</b> 4. Ammonia (AC300)* 3. Amines (AC300)* 1. Aniline 2. Diethyl Amine (AC300)* 1. Dimethyl Amine 2. Ethyl Amine 3. Hydrogen Cyanide (AC420)*	1. Indole 1. Nicotine 2. Nitric acid fumes (AC400)* 1. Nitrobenzene 1. Nitroethane 1. Nitrogen Dioxide (AC400)* 1. Nitroglycerine 1. Nitromethane 1. Nitropropane 1. Pyridine (AC300)* 1. Skatole 1. Urea 1. Uric Acid  <b>Sulphur Compounds</b> 2. Carbon Disulphide 1. Dimethyl Sulphate 1. Ethyl Mercaptan (AC410)* 3. Hydrogen Sulphide (AC410)* 1. Mercaptans 1. Methyl Mercaptan 1. Propyl Mercaptan 3. Sulphur Dioxide (AC400)* 2. Sulphur Trioxide (AC400)* 1. Sulphuric Acid (AC400)* 1. Tetrahydrothiophene  <b>Miscellaneous</b> 1. Adhesives 1. Animal odors 1. Camphor 4. Carbon Monoxide	4. Carbon Dioxide 1. Citrus fruits 1. Cooking odors 1. Degreasing solvents 2. Deodorizers 1. Detergents 1. Hospital odors 1. Human odors 1. Leather 1. Ozone 1. Nicotine 1. Perfumes 1. Petrol 1. Putrefying Odors 1. Putrescine 2. Products of incomplete combustion 1. Plastic 1. Poultry odors 1. Rancid oils and fats 1. Resins 1. Rubber 1. Stale odors 1. Odors from stables 1. Tar odors 3. Tobacco smoke 1. Toilet odors 1. Turpentine 1. Varnish 1. Vinegar 2. Wood alcohol  * Using impregnated filter indicated in parenthesis improves adsorption index to "1".
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