

CARBOSORB GB

Activated Carbon Cartridges

Special Features

Product Code:	CARBOSORB - GB
Frame:	Galvanized Steel
Filter Media:	Activated Carbon Pellet
Filter Class:	Odour filtration
Gasket:	EPDM
Installation:	3-Point Bayonet

Max. Relative Humidity:	70%
Max. Temperature:	55°C

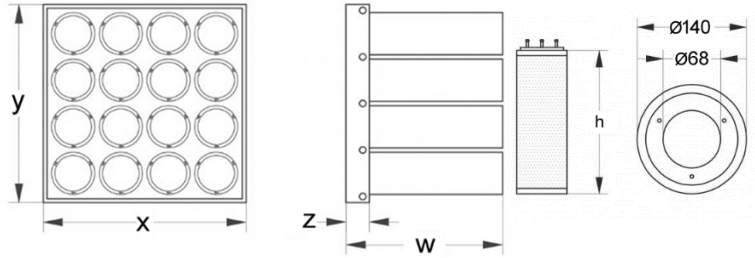


Applications

- Adsorption of odour and gases in air conditioning applications

Advantages

- Robust construction for reliable operation
- Vibrated fill technique to prevent media settlement
- Economic operation and high filtration surface
- Available in gas adsorption and chemisorption
- Compact, rigid construction for rapid installation



Product Code	Frame Dimensions x / y / z (mm)	Cartridge No.	Cartridge Dimension Ø / h	Carbon Type	Air Flow (m³/h)	Pressure Drop (Pa)	Total Weight (Kg)
CARBOSORB - GB400 - 1/4	305x305x40	4	Ø140 x 400	4mm Pellet	850	250	19,0
CARBOSORB - GB400 - 1/2	305x610x40	8	Ø140 x 400	4mm Pellet	1700	250	38,0
CARBOSORB - GB400 - 3/4	508x610x40	12	Ø140 x 400	4mm Pellet	2550	250	57,0
CARBOSORB - GB400 - 1/1	610x610x40	16	Ø140 x 400	4mm Pellet	3400	250	76,0

Product Code	Cartridge Dimension	Air Flow (m³/h)	Pressure Drop (Pa)	Carbon Weight	Cartridge Weight
SK-AC-GB-140/250	140/68 x 250	215	80	1,95	2,65
SK-AC-GB-140/400	140/68 x 400	215	250	3,10	4,30
SK-AC-GB-140/600	140/68 x 600	215	140	4,65	6,40



Product Code	Frame Dimensions (mm)	Cartridge No.	Weight (Kg)
FT-GB-ST-04-305/305/40	305x305x40	4	1,90
FT-GB-ST-08-305/610/40	305x610x40	8	3,70
FT-GB-ST-12-508/610/40	508x610x40	12	5,50
FT-GB-ST-16-610/610/40	610x610x40	16	6,60



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Acetaldehyde	C2H4O	3
Acetic acid (vinegar)	C2H4O2	1
Acetic anhydride	C4H6O3	1
Acetone	C3H6O	2
Acetonitrile	C3H3NO	3
Acetylene	C2H2	3
Acrolein	C3H4O	2
Acrylic acid (acrylate)	C3H4O2	1
Acrylonitrile	C3H3N	1
Adhesives		1
Alcohol		3
Aldrin		1
Allyl chloride	C3H5Cl	1
Amines *		3
Aminotoluene		1
Ammonia *	NH3	4
Amyl acetate (isomers)	C7H14O2	1
Amyl alcohol (pentanol)	C5H12O	1
Amyl ether	C10H22O	1
Anaesthetics		3
Aniline		1
Antiseptics		1
Arsine		2
Asphalt fumes		1
Benzaldehyde		1
Benzene	C6H6	1
Benzine		1
Benzol		1
Benzyl alcohol		1
Benzyl chloride		1
Bromhydric acid		3
Blood odour		2
Bromine	Br2	1
Bromofluoromethane		1
Bromoform		1
Butaanzuur (Boterzuur)		1
Butadiene	C4H6	2
Butanal		2
Butane	C4H10	3
Butanone (MEK)	C4H8O	1
Butene		3
Butyl acetate	C6H12O2	1
Butyl alcohol (butanol)	C4H10O	1
Butyl cellosolve	C6H14O2	1
Butyl chloride	C14H9Cl	1
Butyl ether	C8H18O	1
Butyl glycol		1
Butyl mercaptan		1
Butylene/butane	C4H8	3
Butyne		3
Butyraldehyde	C4H8O	1
Butyric acid	C4H8O2	1
Camphor	C10H16O	1
Caproaldehyde		1
Caprylic acid	C8H16O2	1
Carbolic acid (phenol)	C6H6O	1
Carbon bisulphide		2
Carbon dioxide	CO2	3
Carbon disulphide	CS2	1
Carbon monoxide *	CO	4
Carbon tetrachloride	CCl4	1

Carbonic acid		4
Carbonyl sulfide		3
Cellosolve		1
Cellosolve acetate	C6H12O3	1
Chlorine	Cl2	2
Chlorobenzene	C6H5Cl	1
Chlorobutadiene	C4H5Cl	1
Chloroform	CHCl3	1
Chloronitropropane		1
Chloropicin		1
Chloromethane	CH3Cl	2
Chloronitropropane	C3H6ClN	1
Chloropicrine	CCl3NO2	1
Cigarette odour		1
Citrus fruits		1
Cleaning compounds		1
Combustion odours		2
Cooking odours		1
Corrosive gases *		3
Creosote		1
Cresol	C21H24O	1
Crotonaldehyde		1
Cumene		1
Cyanides incl.		2
Cyclohexane	C6H12	1
Cyclohexanol	C6H12O	1
Cyclohexanone	C6H10O	1
Cyclohexane		1
Cyclohexene	C6H10	1
Cyclopentadiene		1
Decane of higher	C10H22	1
Degreasing Solvents		1
Deodorizers		2
Detergents		1
Dibromoethane	C2H4Br2	1
Dichloro ethyl ether	C4H8Cl2O	1
Dichlorobenzene	C6H4Cl2	1
Dichloro-difloro-		1
Dichloro-difluoro-	CCl2F2	1
Dichloroethane	C2H4Cl2	1
Dichloroethylene	C2H2Cl2	1
Dichloromethane		2
Dichloromonofluoro-	CHCl2F	2
Dichloronitroethane	C2H3Cl2N	1
Dichloropropane	C3H6Cl2	1
Dichlorotetrafluoro-	C2Cl2F4	1
Diesel fumes		1
Diethyl aceton		1
Diethyl aniline		1
Diethyl disulfide		1
Diethyl ether		2
Diethylketone	C5H10O	1
Diethylamine		2
Dimethyl amine		2
Dimethyl aniline	C8H11N	1
Dimethyl disulfide		1
Dimethyl formamide		1
Dimethyl sulphate	C2H6O4S	1
Dimethyl sulphide*	C2H6S	1
Dimethylamine		2
Dioxane	C4H8O2	1

Dipropyl ketone	C7H14O	1
Dodecane		1
Epichlorohydrin	C3H5ClO	1
Ethaanzuur		1
Ethanal		3
Ethane *	C2H6	4
Ether	C4H10O	1
Ethyl acetate	C4H8O2	1
Ethyl acrylate	C5H8O2	1
Ethyl alcohol	C2H6O	2
Ethyl amine		2
Ethyl benzene	C8H10	1
Ethyl bromide	C2H5Br	1
Ethyl chloride	C2H5Cl	2
Ethyl ether		2
Ethyl formate	C3H6O2	2
Ethyl glycol		1
Ethyl mercaptan*	C2H6S	1
Ethyl silicate	C8H20O4S	1
Ethylene *	C2H4	4
Ethylene chloride		1
Ethylene chlorohydrin	C2H5ClO	1
Ethylene dichloride	C2H4Cl2	1
Ethylene glycol		1
Ethylene		1
Ethylene oxide	C2H4O	3
Fenol		1
Fish/food/fruit odours		1
Fluortrichlormethane		2
Formaldehyde		2
Formic acid *	CH2O2	3
Furfural		1
Gasoline		1
Glycerol		1
Glyceryl triacetate		1
Glycol		1
Glycol chlorhydrine		1
Heptane	C7H16	1
Heptylene	C7H14	1
Hexanol	C6H14O	1
Hexamethylene		1
Hexanes		2
Hexanol		1
Hexanone (MIBK)	C6H12O	1
Hexene		2
Hexyne		2
Hospital odours		1
Human odours		1
Hydrazine		2
Hydrobromide		2
Hydrochloric acid		3
Hydrocyanic acid		2
Hydrofluoric acid		3
Hydrogen *	H2	4
Hydrogen arsenide		2
Hydrogen bromide *	BrH	3
Hydrogen chloride *	ClH	3
Hydrogen cyanide *	HCN	4
Hydrogen fluoride *	FH	3
Hydrogen iodide		2
Hydrogen selenide *	H2Se	3

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Hydrogen sulphide *	H2S	2
l-valeric acid		2
Iodine	I2	1
Iodoform	CHI3	1
Indole		1
Iodhydric acid		2
Isobutaan		2
Isophorone		1
Isoprene		2
Isopropanol		2
Isopropyl acetate	C5H10O2	1
Isopropyl alcohol	C3H8O	1
Isopropyl amine		3
Isopropyl chloride	C3H7Cl	1
Isopropyl ether	C6H14O	1
Kerosine		1
Kerosene		1
Kresol		1
Krypton delay		1
Lactic acid	C3H6O3	1
Leather		1
Lucbricating oils		1
Lysol		1
Menthol	C10H20O	1
Mercaptans (large	C2H6S	1
Mercury fumes *	Hg	4
Mesityl oxide	C6H10O	1
Methanal		2
Methane *	CH4	4
Methanol		3
Methyl acetate	C3H6O2	2
Methyl acrylate	C4H6O2	1
Metil Alkol Metanol	CH4O	2
Methyl bromide	CH3Br	2
Methyl butyl ketone	C6H12O	1
Methyl cellosolve	C3H8O2	1
Methyl cellosolve		1
Methyl chloride	CH3Cl	2
Methyl chloroform	C2H3Cl3	1
Methyl cyanide		2
Methyl cyclohexane	C7H14	1
Methyl cyclohexanol		1
Methyl cyclohexanone	C7H12O	1
Methyl ether	C2H6O	2
Methyl ethyl ketone	C4H8O	1
Methyl formate	C4H4O2	2
Methyl glycol	C3H8O2	1
Methyl isobutyl ketone	C6H12O	1
Methyl mercaptan *	CH4S	3
Methyl metacrylate		1
Methylal		2
Methylamine		3
Methylene chloride	CH2Cl2	1
Monochlorobenzene	C6H5Cl	1
Monofluortrichloro-	CCl3F	1
N-amyl ether		1
N-butanol		1
N-propanol		1
Naphta(lene)	C10H8	1
Naphtalene		1
Nicotine	C10H14N2	1

Nitric acid	HNO3	3
Nitrobenzene	C6H5NO2	1
Nitroethane	C2H5NO2	1
Nitrogen dioxide	NO2	3
Nitroglycerine	C3H5N3O	1
Nitromethane	CH3NO2	2
Nitropropane	C3H7NO2	1
Nitrotoluene	C7H7NO2	1
Nonanes		1
O-dichlorbenzene		1
Octane	C8H18	1
Octene	C8H16	1
Octylene		4
Oil fumes		1
Ozone	O3	1
P-phenylene diamine		1
Palamatic		1
Palmitic acid	C16H32O	1
Para-dichloro	C6H4Cl2	2
Pentane	C5H12	2
Pentanone	C9H18O	1
Pentene	C5H10	2
Pentyne	C5H8	2
Perchloroethylene	C2Cl4	1
Perfumes		1
Petroleum naphta		1
Pesticides		1
Petrol vapours		1
Phenol	C6H6O	1
Phosgene	CCl2O	2
Plastic		1
Poisonous gases*		1
Poultry odours		1
Propane	C3H8	3
Propanol		1
Propene		3
Propanal		2
Propionaldehyde		2
Propionic acid	C3H6O2	2
Propionic aldehyde		2
Propyl acetate	C5H10O2	1
Propyl alcohol	C3H8O	1
Propyl aldehyde	C3H6O	2
Propyl chloride	C3H7Cl	1
Propyl ether	C6H14O	1
Propyl mercaptan	C3H8S	1
Propylene		2
Propylene dichloride		1
Propylene glycol		1
Propylene oxide		3
Purifying odours		1
Putrescine		1
Pyridine		1
Rancid oils and fats		1
Resins		1
Rubber		1
Selenhydride		3
Sewer odours *		2
Silicon tetra chloride		1
Slaughter odours		2
Skatole		1

Sludge odour		2
Solvents		2
Stale odours		1
Stable odours		1
Styrene		1
Styrene monomer	C8H8	1
Sulfur dichloride		2
Sulphur dioxide *	SO2	3
Sulphur gas		3
Sulphur trioxide *	SO3	3
Sulphuric acid	H2SO4	3
Sulphuric anhydride		1
Sulphurous		1
Tar fumes		1
Tabacco smoke		3
Tetrachloroethane	C2H2Cl4	1
Tetrachloroethene		1
Tetrachloroethylene	C2Cl4	1
Tetrahydrothiophene		1
Tetrahydrofuran	C4H8O	1
Thiophene	C4H4S	1
Toilet odours		1
Tolud		1
Toluene	C7H8	1
Toluene di-isocyanate	C9H6N2O	1
Toluidine		1
Toxic gases		2
Trichloroethane	C2H3Cl3	1
Trichloroethylene	C2HCl3	1
Triethanolamine		1
Trifluorobromomethan		3
Trimethyl amine		3
Trimethyl benzene all		1
Trimethyl phosphite		1
Trimethylexamethylen		1
Turpentine		1
Undecane		1
Urea	CH4N2O	1
Uric acid	C5H4N4O3	1
Valeric		2
Valeric acid	C5H10O2	1
Valeric aldehyde	C5H10O	1
Varnish odours		1
Vinegar mAcetic acid	C2H4O2	1
Vinyl acetate	C4H6O2	1
Vinyl chloride	C2H3Cl	1
Vinylcyanide		1
Xenon delay		1
Xylene	C24H30	1

The adsorption capacity of activated carbons is influenced by a number of process conditions, e.g.

- * type(s) and concentration(s) of component(s)
- * the humidity and temperature of the gasflow
- * velocity and contacttime
- * poresize and poredistribution of the activated carbon used.

1 high adsorption capacity, i.e.

2 satisfactory adsorption capacity, i.e.

3 moderate adsorption capacity, i.e.

4 low adsorption capacity, i.e.