

E-Fiber Accessories

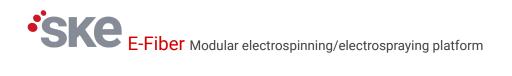
Modular electrospinning/electrospraying platform



EFA150 - Fume hood system

Our certified fume-hoods with activated carbon filters are compatible with E-Fiber EF100 and EF300. In fact, E-Fiber can be completely integrated in the fume-hood, thus allowing you to immediately start electrospinning/spraying in any situation, without risks related to the solvent vapor used. The activated carbon filters can be customized for specific solvents and chemical agents, according to customer's needs.

Rev 20210707



This accessory avoids connection to an extraction fume system, and the electrospinning can be used inside every lab or clean room without any arrangement or connection.

Entirely made of non-corrodible materials in order to guarantee resistance from the solvents used, and reliability. Available in single version for EF100 and both single or dual version for EF300.



ACTIVATED CARBON ADSORPTION CAPACITY TABLE

1. Substances with high adsorption capacity by activated carbon (20-50%)

	· · · · ·	· · ·
Acetate methylcellosolve	Dichloronitroethane	Naphtha
Acetophenone	Dichloropropane	Naphthalene
Acetic anhydride	Dichlorotetrafluoroethane	Nicotine
Acrylic acid	Diesel fumes	Nitrobenzene
Acrylonitrile	Diethylketone	Nitroethane
Adhesives	Dimethylaniline	Nitroglycerine
Aldehyde atrica	Dioxane	Nitromethane
Amilacetato	Dipropilketone	Nitropropane
Amyl Alcohol		Nitrotoluene
Amyl acetate	Ether dichlorethyl	Nonane
Amyl ether	Ethylacetate	
Aniline	Ethylalcohol	Octane
Antiseptics	Ethylacrylate	Odor of putrefaction
Argon	Ethylbenzene	Ozone
Aromas of food	Ethylibenzol	
Asphalt fumes	Ethylene	Paint fumes
	Ethylformiate	Palmitic
Benzaldehyde	Ethylsilicate	Paradichlorobenzene
Benzene	Ethylsulfide	Pentanone
Benzyl alcohol	Ethylene dichloride	Perchloroethylene
Benzol		Pesticides
Body odors	Fertilizers	Phenol
Bromoform	Freon 11	Pyridine
Bromine	Freon 12	Propylacetate
Butanol	Freon 114	Propylalcohol
Butylcellosolve	Fruit	Propylchloride
Butylacetate	Furfural	Propylether
Butylalcohol		Propylmercaptan
Butylchloride	Gasoline	Propyonic acid
Butylether		Putrescine
Butyricacid	Heptene	
	Heptane	Quinoline
Camphor		
Capril acid	lodoform	Resins
Caproaldehyde	Isopropyl acetate	
Carbolic acid	Isopropyl alcohol	Sewer odors
Carbon disulfide	Isopropyl ether	Smells liquor
Carbon tetrachloride		Smells of hospitals
Cellosolve	Kerosene	Smells of fish
Cellosolve acetate		Styrene
Charter deteriorated	Lactic acid	Styrene Monomer
Cyclohexane	Liquid fuels	Sulphide composites
Cyclohexanol	Lysol	
Cyclohexanone	Lubrificants, greases, oils	Tar
Cyclohexene		Tetrabromoethane
Chlorobenzene	Menthol	Tetrachloroethane
Chlorobutadiene	Mercaptans	Tetrachlorothylene
Chloroform	Mesityloxide	Thiophene
Cigarette smoke	Methylacetate	Toluene
Cloronitropropane	Methyl	Toluidine
Chloropicrin	Methylacrylate	Turpentine
Combustion odors	Methylcellosolve	Trichloroethane
Cooking smells	Methylchloroform	Trichloroethylene
Creosol o / m / p	Methylcyclohexane	
Crotonaldehyde	Methylcycloesanolo	Urea
	Methylcyclohexanone	Uric acid
Dean	Methylethylketone (butanone)	
Detergents	Methylformate	Valeraldeide
Dibromoethane	Methylmethacrylate	Valeric acids
Dichlorobenzene	Methylene chloride	Vinegar
Dichlorobenzol	Methyloxide	411030
Dichlorodifluoromethane	Monochlorobenzene	Xylene
Dichloroethane	Monofluorine	Xylolo
Dichloroethylene	Mononuorme	791010
Dichloromethane		
Dichloromonofluoromethane		
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2) Substances with good adsorption capacity by activated carbon (10-25%)

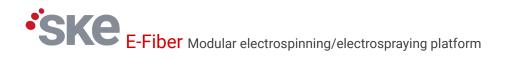
Acetone	Esilene	Mercaptonezene
Acetic acid	Ethanol	Methylalcohol - methanol
Anidirde sulfur	Ether	Methylbromide
Arsenic	Ethyl	Methylacetate
	Ethylbromide	Methylchloride
Butadiene	Ethylchloride	Methylether
Butiraldehyde	Ethylether	Methylformate
	Ethylene glycol	Methylmercaptan
Carbon disulphite	Ethylmercaptan	Monofluorine
Carbon disulphide		
Chlorine	Fluorinetrichloromethane	Pentane
	Formic acid	Phosgene
Dich lorodifluo rom ethane	Freon	Propionic aldehyde
Dichlorotetrafluoroethane	Furan	Pyridine
Diethylamine		Pyrrole
Dimethyl	Hexane	Propionaldehyde
Dimethyl sulphate	Hydrocyanic acid	
	Hydrogen sulphid	Rubber
	, c. egen ee.pe	
	Iodidcric acid	Smells of slaughter
	Isopropanol	Solvents
	Lead	Vinyl chloride

3) Substances with little adsorption capacity by activated carbon (< 15%)

Use impregnated carbon: Aldeyde e derivatives (5/15%) Mercury (5/15%) Acid Gases (5/15%)

Ammonia (5/15%) Iodine (5/15%)

Acetaldehyde (aldehyde and derivatives) Acetonitrile (ammonia and derivatives) Acrolein (aldehyde and derivatives) Amines (ammonia and derivatives) Ammonia (ammonia and derivatives) Arsine gas (acid gases) Bromopropane (acid gases) Butane gas (acid gases) Butene (acid gases) Carbon dioxide (acid gases) Carbon monoxide (acid gases)	Diethylamine (ammonia and derivatives) Dimethylamine (ammonia and derivatives) Ethidium bromide (acid gases) Ethylamine (ammonia and derivatives) Ethylene oxide (acid gases) Formaldehyde (formaldehyde and derivatives) Hydrobromic acid (acid gases) Hydrochloric acid (acid gases) Hydrogen selenide (acid gases) Hydrogen sulfide (acid gases)	lodine (iodine) Nitric acid (acid gases) Nitrogen dioxide (acid gases) Phosphine gas (acid gases) Propane gas (acid gases) Propene (acid gases) Prophylbromide (acid gases) Sulfide gas (acid gases) Sulfuric acid (acid gases) Sulphur dioxide (acid gases) Valeric aldehyde (aldehyde and derivatives)



4) Substances not adsorbed by activated carbon

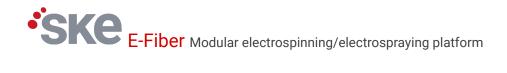
Acetylene	Ethane Ethylene	Methane Methylbuthylketone
Carbonic acid Carbon monoxide	Hydrogen	Sulfur trioxide Sulphur dioxide

TECHNICAL DATA

Material	Stainless steel for the structure Transparent plexiglass for the panels
Weight	EF100: single version, approx. 55 kg EF300: single version, approx 55kg EF300: double version, approx. 150 kg
Dimensions	EF100: 800 x 670 x 1150 mm (W x D x H) EF300 single version: 650x750x620 mm (W x D x H) EF300 double version: 1250 x 750 x 620 mm (W x D x H)
Volume of air filtered	EF100: 320 m³/h EF300 single version: 320 m³/h EF300 double version: 600 m³/h
Type of filters	Activated carbon filters
Mains connection	110-220 Vac ~ 50/60Hz
Nominal power	single version, max. 140W (+ max. 440W on auxiliary socket) double version, max. 280W (+ max. 440W on auxiliary socket)

ORDERING DETAILS

Product code	EFA150
Standard options	EFA150-100 EFA150-300-1 EFA150-300-2



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