

DuraPURE™

Extended Surface Activated Carbon Filter



FEATURES

Effective removal of odors and volatile organic compunds VOC's

Constructed with premium grade coconut shell carbon

Available with specially impregnated adsorption medias

Maximum VOC's and Odor Removal

As worldwide Indoor Air Quality specifications become more demanding, gas phase adsorption is quickly becoming a major factor in commercial and industrial air filtration systems. The DuraPURE is an excellent high performance solution in applications such as airports, industrial facilities, chemical plants, office buildings, and a wide variety of other air filtration systems.

The Koch Filter DuraPURE is an extended surface carbon filter which utilizes premium grade granular 60% activated carbon. DuraPURE's unique V-shaped frame holds up to 26 pounds of activated carbon in a single 24x24x12 filter, which insures maximum VOC and odor removal in any commercial or industrial application.

Two Capacity Levels and Three Standard Sizes

To meet the tough requirements of today's complex air filtration systems, DuraPURE is available in three standard sizes, and two media capacity levels, Standard Capacity and High Capacity.

Specialized Carbon Media

DuraPURE is also available with specialized impregnated carbon media for removal of ammonia, hydrogen sulfide, and other difficult-to-remove compounds. Consult your Koch Filter representative to find the appropriate DuraPURE model for your system.



DuraPURE Technical Data

Model	Nominal Size	Actual Size	Initial Pressure Drop (in w.g.)	Carbon Weight Per Filter (lbs.)	Total Weight Per Filter (lbs.)
111-800-001	24x24x12	23.38 x 23.38x 11.50	.34	18	33
111-800-003	20x24x12	19.38 x 23.38 x 11.50	.34	15	30
111-800-002	12x24x12	11.38 x 23.38 x 11.50	.34	8	26

Model	Nominal Size	Actual Size	Initial Pressure Drop (in w.g.)	Carbon Weight Per Filter (lbs.)	Total Weight Per Filter (lbs.)
111-801-001	24x24x12	23.38 x 23.38x 11.50	.74	26	41
111-801-003	20x24x12	19.38 x 23.38 x 11.50	.74	24	36
111-801-002	12x24x12	11.38 x 23.38 x 11.50	.74	12	32

Additional DuraPURE Information

Solvent Capacity of Standard Capacity DuraPURE: 5 lbs. Solvent Capacity of High Capacity DuraPURE: 8 lbs.

Carbon Activity Rating: Minimum 60% on carbon tetrachloride (CCL4) at 25 ° C.

Partial List of Contaminants Best Controlled by Activated Carbon

Ethyl benzoate Acetic acid Ethyl sulfide Ally acetate Cineole Benzyl acetate Ethylene dichloride Butyl acetate Formic acid Indene Butyl ethyl ether Octane Pentachloroethane Butyric acid Carbon tetrachloride Phenol Chloroform Styrene Chlorophenol Thiophenol Trichlorothane Furan Cymene Trimethylpentane Hexane Isoamyl alcohol Methylsalycilate Isopropyl alcohol Nitroanisole Linalyl format Valeric acid Methyl benzoate Xylene Methyl oxyethanol Acetone Cyclohexane Benzaledehyde Cyclohexylbenzene Bezene Decene Butyl alcohol Dichlorotoluene Butyl mercaptan Dimethyl disulfide Camphor Ethoxyethanol Chlorobenzene Propionic acid

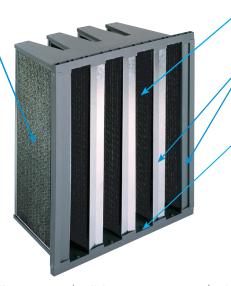
Chloroctane Heptane Isoamyl butrate Limonene LimoneneMethylally alcohol Methylally Butanol Methyl ethyl ketone (MEK) Cyclohexanol Dibutylamine Diethyl ketone Dodecane Ethyl acetate Ethyl methyl ketone Ethylbenzene Ethylene glycol Nitrogen dioxide<100ppb Octanoic acid Pentylamine

Tetrachloroethane Toluene Trichloroethylene Triethylhexane Mineral Spirits Nitroethane Vinyl Pyridine Acrylic acid Benzonitrile Bromoform Butylbenzene Butyl sulfide Carbon disulfide 2-Chloroethanol Chlorotoluene Cresol Heptene Isoamyl acetate Isobutyl propinate Lynaly acetate Methyl acetylsalicyate Methyl cyclohexanol

Methyl propyl ketone Cyclohexanone Decane Dichloroethane Dimethyl disulfide Ethanol Ethynl lactate Ethynl oxalate Ethylcyclohexane Ethylene glycol diethyl ether Nonane Octene Pentyl ether Pyridine Tetrachloroethylene Tributylamine Tridecane Methyl pentanone (MIBK) Naphtha **Undecane** Vinyl toluene

Activated Coconut Shell Carbon

Premium grade 60% activated carbon provides maximum adsorption of VOC's and odors (other specially impregnated medias are also available).



Individual Media Cells

Moisture resistant honeycomb carbon cells offer high efficiency contaminant removal, with relatively low resistance to airflow.

Plastic and Metal Frame Components

Rugged components make the DuraPURE extremely rigid and easy to install. Single or double header available.

Thermoplastic Hot-Melt Adhesive

Specialized sealant eliminates air bypass and secures the individual carbon cells within the frame.

Qualifies as a Koch Green Product

The Koch Green icon identifies the DuraPURE as a product that meets or exceeds our criteria in one or more of the following categories: Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources and/ or Improves Indoor Environmental Quality.

8401 Air Commerce Drive, Louisville KY 40219 | toll free: 800.757.5624 | phone: 502.634.4796 | Fax: 502.969.2364