

DuraKleen™ V15 and V8

Extended Surface Activated Carbon Filter



DuraKleen V15 and V8

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 DuraKleen-V15 and DuraKleen-V8 are 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 DuraKleen-V15 and DuraKleen V8 is an extended surface carbon filter which utilizes premium grade granular 60% activated carbon. DuraKleen's unique V-shaped frame holds up to 7 pounds of activated carbon in a single 24x24x12 filter, which insures maximum VOC and odor removal in any commercial or industrial application.

FEATURES

Effective removal of odors and VOC's, diesel exhaust, acid gas, ammonia and amines

Constructed with premium grade coconut shell carbon

Available in MERV 8 and MERV 15

Two Efficiency Levels and Three Standard Sizes

To meet the tough requirements of today's complex air filtration systems, DuraKleen-V15 and DuraKleen V8 is available in three standard sizes, and two efficiencies.

Consult your Koch Filter representative to find the appropriate DuraKleen-V15 and DuraKleen-V8 model for your system.

Partial List of Contaminants Best Controlled by Activated Carbon

Acetic acid	Ethyl benzoate	Chloroctane	Tetrachloroethane	Methyl propyl ketone
Allyl acetate	Ethyl sulfide	Cineole	Toluene	Cyclohexanone
Benzyl acetate	Ethylene dichloride	Heptane	Trichloroethylene	Decane
Butyl acetate	Formic acid	Indene	Triethylhexane	Dichloroethane
Butyl ethyl ether	Octane	Isoamyl butrate	Mineral Spirits	Dimethyl disulfide
Butyric acid	Pentachloroethane	Limonene	Nitroethane	Ethanol
Carbon tetrachloride	Phenol	LimoneneMethylallyl alcohol	Vinyl Pyridine	Ethynl lactate
Chloroform	Styrene	Methylallyl Butanol	Acrylic acid	Ethynl oxalate
Chlorophenol	Thiophenol	Methyl ethyl ketone (MEK)	Benzonitrile	Ethylcyclohexane
Furan	Trichloroethane	Cyclohexanol	Bromoform	Ethylene glycol diethyl ether
Hexane	Trimethylpentane	Cymene	Butylbenzene	Nonane
Isoamyl alcohol	Methylsilylate	Dibutylamine	Butyl sulfide	Octene
Isopropyl alcohol	Nitroanisole	Diethyl ketone	Carbon disulfide	Pentyl ether
Linalyl format	Valeric acid	Dodecane	2-Chloroethanol	Pyridine
Methyl benzoate	Xylene	Ethyl acetate	Chlorotoluene	Tetrachloroethylene
Methyl oxyethanol	Acetone	Ethyl methyl ketone	Cresol	Tributylamine
Cyclohexane	Benzaldehyde	Ethylbenzene	Heptene	Tridecane
Cyclohexylbenzene	Bezene	Ethylene glycol	Isoamyl acetate	Methyl pentanone (MIBK)
Decene	Butyl alcohol	Nitrogen dioxide<100ppb	Isobutyl propionate	Naphtha
Dichlorotoluene	Butyl mercaptan	Octanoic acid	Lynalyl acetate	Undecane
Dimethyl disulfide	Camphor	Pentylamine	Methyl acetylsalicylate	Vinyl toluene
Ethoxyethanol	Chlorobenzene	Propionic acid	Methyl cyclohexanol	

DuraKleen-V15

Model	Nominal Size	Actual Size	Initial Pressure Drop (in w.g.)	Carbon Weight Per Filter (lbs.)	Total Weight Per Filter (lbs.)	Efficiency
111-811-101	24x24x12	23.38" x 23.38" x 11.50"	0.42	7.0	13	MERV 15
111-811-103	20x24x12	19.38" x 23.38" x 11.50"	0.42	5.5	11	MERV 15
111-811-102	12x24x12	11.38" x 23.38" x 11.50"	0.42	3.5	9	MERV 15

DuraKleen-V8

Model	Nominal Size	Actual Size	Initial Pressure Drop (in w.g.)	Carbon Weight Per Filter (lbs.)	Total Weight Per Filter (lbs.)	Efficiency
111-810-101	24x24x12	23.38" x 23.38" x 11.50"	0.36	7.0	13	MERV 8
111-810-103	20x24x12	19.38" x 23.38" x 11.50"	0.36	5.5	11	MERV 8
111-810-102	12x24x12	11.38" x 23.38" x 11.50"	0.36	3.5	9	MERV 8

Additional DuraKleen V Series Information:

Maximum Operating Temperature: 130 °F

Maximum Relative Humidity: 95%

DuraKleen V™ Construction and Technical Data

Activated Coconut Shell Carbon

Premium grade 60% activated carbon provides maximum adsorption of VOC's and odors.

Pleated Media Packs

The media packs feature a pleated media encapsulating the carbon between two synthetic layers. The highly active carbon particles allow for higher adsorption rates due to the smaller size of the carbon granules.

Plastic Frame Components

Rugged components make the DuraKleen-V extremely rigid and easy to install.

Thermoplastic Hot-Melt Adhesive

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

