

Airex Filter Corporation

Dual Stage Carbon

Panel Filters - Polyester or Fiberglass w/Carbon

**AIREX FILTER**
CORPORATION

Airex Filter Corporation provides an effective solution for the removal of noxious odors, gases, and many other airborne contaminants which can cause potential health risks associated with poor indoor air quality. The Airex Carbon Media substrate is a polyester fiber, that has been impregnated with activated carbon, forming millions of pores and interconnected capillary passages which act as a molecular magnet to absorb molecules. The efficiency of the carbon substrate by itself is rated at under 20%. By backing a dust filtration media, fiberglass or polyester, with the impregnated activated carbon we achieve a dual filtration effect adding to the efficiency of the filter. The substrate filters the particulate matter, while the activated carbon filters the gas or vapor contaminants which can be more irritating or harmful on electronic components. Carbon media can also be added to the air leaving side of a MERV 8 or MERV 11 pleat pack to help increase the overall efficiency. Technical data differs depending on material used in front of the carbon media. The DSC filter shown above has one layer of carbon on the air leaving side of the filter. We can add any amount of carbon to increase the absorption capabilities.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media Area (square foot)	Dust Holding Capacity
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.13	.21	.50	1.88	84 Grams
	15x20x1	640	1080	.13	.21	.50	1.96	87 Grams
	16x20x1	650	1100	.13	.21	.50	2.10	93 Grams
	16x25x1	850	1350	.13	.21	.50	2.64	117 Grams
	20x20x1	850	1350	.13	.21	.50	2.64	117 Grams
	20x25x1	1050	1750	.13	.21	.50	3.32	146 Grams
	24x24x1	1200	2000	.13	.21	.50	3.84	168 Grams
2"	12x24x2	600	1000	.12	.19	.50	1.88	120 Grams
	16x20x2	650	1100	.12	.19	.50	2.10	133 Grams
	16x25x2	850	1350	.12	.19	.50	2.64	167 Grams
	20x20x2	850	1350	.12	.19	.50	2.64	167 Grams
	20x25x2	1050	1750	.12	.19	.50	3.32	208 Grams
	24x24x2	1200	2000	.12	.19	.50	3.84	240 Grams

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example part # **DSC25252**
DSC-25-25-2



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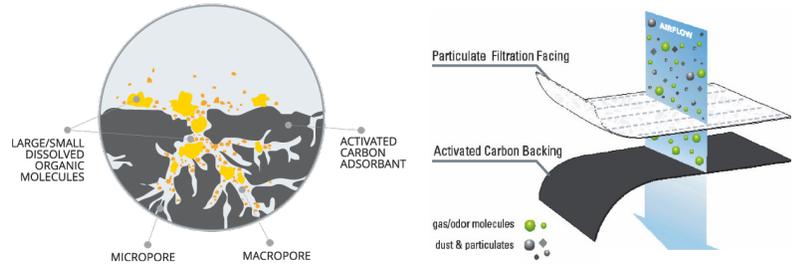
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The fiberglass or polyester media is the first surface that the air passes through. This allows the air to slow down thus giving the air more surface contact time with the activated carbon media. **More contact time = higher efficiency.**

The carbon filter media is made from activated carbon and its primary function is the chemical adsorption of contaminants and impurities. The activated carbon in the filter also has a pore structure and so particulate removal is accomplished as well.



- MERV 6, 8 or 11 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2" and 4" depths
- Special sizes available upon request



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



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