

Flo-Carbon Pleated Filters

Activated commercial carbon, also known as carbon, is extremely effective in fume and odor control.

The Flo Carbon Pleat has been designed to improve performance for odor control applications as well as particulate removal. A ¼" non-woven synthetic media has been thermally saturated with crushed carbon dust which exposes more microscopic pores for enhanced adsorption. This results in very little "brush off" unlike loose granular trays and cells. This media is then positioned downstream from a pleated filter element to provide a dust filter with a substantially increased surface area. Both prefilter and carbon saturated media are then enclosed in a high moisture resistant heavy duty beverage board frame. Filters are then sealed in a case during production to ensure a long shelf life and to maintain the maximum activity rating of the carbon.

The Flo Carbon Pleat eliminates the need for heavy granular carbon trays and cells which saves on expensive freight costs. It is disposable and fits existing 1, 2 & 4" HVAC tracks eliminating the need for costly retrofits. The pressure drop through the Flo Carbon Pleat is drastically reduced due to its pleated prefilter configuration, saving energy costs in contrast to granular filters that have a high initial and final resistance to the airflow.

The Flo Carbon Pleat is extremely effective for household and commercial air purification. The activated carbon does not mask the odors - it removes them. The unique pleated prefilter used to filter out dust particles combined with a secondary odor control screen make this a desirable filter because of efficiency, great airflow and a long life. Some applications are hospitals, restaurants, facilities where cigarette odor is a problem, stores, high-rise office buildings, homes, hotels, schools and laboratories, just to name a few. Please see the enclosed capacity index for adsorption per chemical compound.

Flo-carbon pleated filters are fabricated from 40% or 65% pleated filter elements to serve as a dust filter, followed by a final screen of 1/8" carbon-saturated polyester material. This carbon screen contains 8 grams of carbon per square foot of media. It serves to filter out vapors, fumes, smoke and odors. Both filter elements are packed into a heavy duty chipboard frame, which is reinforced at the front and back with metal retainers. The entire chipboard frame is then sealed at the perimeter of the filter with a weatherproof tape. Placing a pleated filter ahead of a carbon screen allows dust particles to be trapped by the pleated element. This will keep the carbon screen clean and effective to do its job of removing odors, fumes and gases.

Suggested airflow for 24 x 24 x 2 flo-carbon pleats is 2000 cfm. The initial static pressure will start at .37" w.g.; and the filter should be replaced at 1.00" w.g.

Flo-carbon pleated filters are readily available in depths of 1", 2" and 4". All standards are undersized by ½" on dimensions of width and height, while all special sizes are to be called out by their exact dimensions.

Packaging is 24 per box for 1" pleats, 12 per box for 2" deep filters and 6 per box for 4" deep filters.

All carbon filters need to be kept in a sealed box while not in use. Carbon filters exposed to the air will react with air contaminants and with time, become ineffective as odor adsorbers.

All Flo Carbon Pleated filters comply with UL Class II requirements.



FLORENCE FILTER CORPORATION

"Over 35 Years of Filter Excellence"

530 W. Manville • Compton • California 90220
(310) 637-1137 • FAX (310) 631-4323 • (800) 776-2021