

PREFILTRATION REQUIREMENTS FOR ACTIVATED CARBON FILTERS

It is extremely important that gas phase filters be adequately protected from particulate contamination. Particulate loading clogs the pore structure of the carbon granules, seriously reducing their ability to capture molecules of gas and odor.

To maximize the effectiveness of gas phase filters they should be prefiltered with particulate filters having an average ASHRAE Dust Spot Efficiency of not less than 30% (MERV 8). In areas with heavy particulate contamination, filters with 60% efficiency or higher should be considered.

Excessive particulate contamination will adversely affect the life of carbon or any other adsorbent media filter.

Source: NAFA Guide to Air Filtration