

# It's only a filter.....but **IT CAN SAVE** You money

From a Property Management Magazine

Historically, the removal of particulate matter from ventilation air has been adequately managed through the use of disposable filters. However, today's difficult economic and environmentally sensitive business climate is witnessing building owners, mechanical engineers and marine engineers, turning to what some consider to be a more comprehensive cost effective method of filters air, protecting expensive air handling equipment, and reducing labor costs --- permanent self charging electrostatic filters.

The superintendent engineer from a large ferry operator states that there were a number of considerations when deciding to make the switch from disposable to permanent air filters on the 1400 passenger, 386 car (12,000 HP) "C" Class large vessels. 'Our two chief concerns were to provide the most economical method of improving air quality in the accommodation and machinery spaces and at the same time reduce the man hours required to maintain the filtration systems. The ten year warranted permanent air filters from All American Air Filters meet all of our criteria and quality levels.'

The methodology of permanent self charging electrostatic filters differs considerably from that of the traditional throw away strainer or impingement types which rely on the time consuming build up of the filter cake to achieve the desired efficiency. Instead, particles in the air stream are attracted to layers of self charging polypropylene by means of an electrostatic charge. When loaded, these filters are easily cleaned by washing and returned to service, not thrown away like disposables contributing to waste landfill sites.

This environmentally friendly feature alone is attracting many to make the switch. The patented permanent air filters made by All American Air Filters, Inc. carry an unprecedented ten year warranty and are constructed of 100% recyclable

materials (aluminum frames and polypropylene media). When looking at an office building's overall yearly filter requirements and the fact that All American Air Filter's permanent filters are guaranteed for a ten year useful life, the deletion of this waste material in whole or in part will have a significant positive impact on our environment. In addition, the resulting dollar savings realized by eliminating the material and labor costs associated with disposable filters over this same period will show favorably on the buildings operational costs.

New construction can benefit immediately by using these permanent filters. For example, it is not uncommon for a building to utilize two sets of disposable filters per air handling unit through the construction, testing and balancing period with a third set installed at occupancy. The cost savings are evident in this case when permanent filters are specified. When determining the appropriate air handling equipment for new construction, Mechanical Engineers can specify larger panel size permanent filters from All American Air Filters, Inc. instead of banking smaller disposable filters to cover large equipment. The result will be increased air flow, decreased resistance and the virtual elimination of blow-by. As well, in some new construction applications less horsepower motors can be used saving initial system costs and ongoing energy expense. This means lower overall operating costs.

Another interesting feature of these permanent air filters is that they are impervious to water, making them an ideal candidate for 100% outside air systems that may be exposed to moisture. This is a definite advantage over disposable media style filters which become inefficient when wet as well as a breeding ground for microorganisms.

The cost for all of this? When you consider the benefits, not as much as you would think.



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