

Is the HEPA Air Purifier a Complete Solution?

With more and more people realizing that indoor air pollutants can affect your health seriously, the demand for air purifiers is increasing by the day. Such demand has led to almost an explosion in terms of growth for the air purifier industry which now has a consolidated annual sales of more than \$100 million.

There are for obvious reasons a number of different models available today in the market to woo customers. At times it becomes difficult for one to choose a particular model. However, if you are going to buy an air purifier you first need to assess your needs. If there are no severe respiratory problems in your family a HEPA air purifier is more than enough. A HEPA air purifier is designed to capture 99.97 percent of impurities from the air which are equal to or more than 0.3 microns in size. This will be good enough to clear all kinds of allergens in the air as their size is generally in the range of 0.3 microns to 5 microns. The allergens that fall within this size range include mold, bacteria, animal dander, fumes and house dust mite.

But there is a catch. Although HEPA is great when it comes to dealing with allergens, other particulates which are less than 0.3 micron in size are not trapped by a HEPA filter. And fact is, about 90 percent of all particulates are less than 0.3 microns in size. Known as the 'lung penetrating particles' these pose a much greater threat to your health. particulates of less than 0.3 microns include viruses, a few bacteria and germs, cat allergens, smoke, soot, fumes and smog.

To tackle such small particulates, especially the living organisms, some HEPA air purifiers use ultraviolet light in combination. There are other stand alone machines which also use ultraviolet light to deal with the smallest of particulates. The ultraviolet light emitted from these machines do not actually kill the organisms. Instead they just alter the DNA and RNA profile of the organisms making them sterile and hence ineffective to cause any harm.

However, before you buy an ultraviolet machine you should take note of the fact that all ultraviolet machines are not built to the same quality. The competency of different models vary considerably and you should make sure that you are getting a right machine. The strength of the ultraviolet rays emitted is a good indicator as to whether the machine will be effective or not.

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About the Author

Jason Uvios writes about on Is the HEPA Air Purifier a Complete Solution? to visit :- <http://www.air-purifiers-europe.info>, <http://www.airpurifierstop.info> and <http://www.air-purifierstoday.info>