

## Terms and Definitions

By Michael Katz

- **HEPA** — high-efficiency particulate absorbing filter and high-efficiency particulate arrestance filter, is an efficiency standard of air filter. Filters meeting the HEPA standard must satisfy certain levels of efficiency.
- **MERV** — Minimum Efficiency Reporting Value is a measurement scale designed in 1987 by the American Society of Heating, Refrigerating and Air-Conditioning Engineers to report the effectiveness of air filters in more detail than other ratings.
- **Photocatalysis** — a chemical reaction of light on a catalyst. In the course of this reaction, oxygen radicals are formed which safely destroy organic particles without leaving any residue.
- **UI** — User Interface.
- **UVC** — is the shortest wavelength of the three forms of UV. The shorter the wavelength, the more harmful the UV radiation.