



Toxic bushfire smoke can be countered with air purifiers, creating clean air to breathe

*Strategy.
Action.
Results.*

Sydneysiders and others in NSW and the ACT who are affected by bushfire smoke can at least have clean, fresh air in their homes, car and office if they use an air purifier. Asthmatics are the worst affected, but even non-asthmatics are suffering from the smoke with eye, nose and throat irritations as well as coughing and shortness of breath. Dr Ivan Hanigan, a public health researcher and fellow with the University of Sydney's Rural Clinical School, recently announced concerns about air pollution.¹ "The short-term impact on air pollution such as small airborne particles and toxic gases is of substantial public health concern. "Our studies show that there appears to be no safe lower threshold of exposure to small airborne particles and there is likely premature mortality and lost life expectancy in Australia," Dr Hanigan said. Large particles in bushfire smoke irritate the eyes, nose, throat and lungs. The finer particles can penetrate deep into the lungs and are more harmful. Smoke also contains toxic gases, such as carbon monoxide, carbon dioxide, and nitrogen oxides.² Using an air purifier in the home, car and office can clean the air, removing smoke particles and other fine dust, carbon monoxide, vehicle exhaust fumes, pollen and allergens, viruses, mould and pet hair. The highest standard of air purifiers use HEPA filters, which stands for High Efficiency Particulate Air, and designates that the filters are able to trap 99.97% of particles down to 0.3 microns in size. Five-step filtration process Jaka Exstrada from one of Australia's largest suppliers of air purifiers, Andatech, said intelligent Ionmax HEPA air purifiers utilise a five-step filtration process to completely and efficiently filter and clean the air. "Starting with the pre-filter, it removes large airborne particles from the air. The HEPA air purifier filter then removes microscopic particles from the air, while the carbon filter removes undesirable odours and VOCs (Volatile Organic Compounds). "The next step is the Titanium Dioxide filter and the UV lamp, which work hand-in-hand to break down harmful contaminants in the air and kill mould, bacteria and viruses. Finally, the Ionmax UV HEPA air purifier releases negative ions into the air to help revitalise and refresh indoor air. "By placing an Ionmax air purifier in the home, vehicle or workplace, users can enjoy healthier, cleaner air free of bushfire smoke and pollutants. Also, because they are portable and quite compact, they are easy to move around different rooms," he said. www.andatech.com.au/air-purifiers/ Ends Notes: 1

<https://sydney.edu.au/news-opinion/news/2019/11/06/what-caused-air-pollution-in-new-delhi-sydney-experts-respond.html> 2

https://healthywa.wa.gov.au/Articles/S_T/Smoke-hazard-from-bushfires Prices of Andatech air purifiers: Ionmax ION390 is \$369 (HEPA filter) Ionmax ION401 is \$299 (Ionic tower) Ionmax ION420 is \$299 (HEPA filter) Marvel Habanero \$149, \$219 & \$249 (incl cordless) Marvel Aladdin is \$99 & \$149 (incl cordless) Further enquiries: Issued on behalf of Andatech by WMC Public Relations Pty Ltd. Contact Wendy McWilliams on 03 9803 2588 / 0421 364 665. Email: wendy@wmcpr.com.au About Andatech: Andatech is a 100% Australian owned company that designs, supplies, supports and services safety and wellness products including high quality alcohol and drug testing equipment, and air quality products. The company has the widest range of Australian Standard-certified breathalysers in Australia, which are designed for personal use, in workplaces, at hospitality venues (wall mounted) and as car interlock devices. Drug testing kits cover saliva and urine testing of 7 drug groups providing error-free results. Air quality products include dehumidifiers, air purifiers, humidifiers and aroma diffusers. <https://www.andatech.com.au/> A large selection of images is available. To request a photo, please send an email to Wendy.

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