

Breathe Easy with Oxyvital

Protect the ones you love, by protecting the air you breathe

(Hong Kong, 2012) – In 2011, air pollution in Hong Kong reached its highest levels ever, according to a report by the South China Morning, a finding that may further undermine the city's role as an Asian financial centre as business executives relocate because of health concerns.¹ Vehicle emissions and industrial pollution from the Pearl River Delta were two large contributors, even forcing some business professionals working in the financial center to relocate due to health concerns.

Still, it is not just outdoor air pollution that the city's residents have to worry about but also the level of indoor air pollution. As explained by Professor Anthony Hedley, Honorary Professor of The School of Public Health at University of Hong Kong Li Ka Shing Faculty of Medicine, filthy air outdoors means filthy air indoors. *“Outside ventilation systems bring bad quality air indoors and this, combined with chemical contaminants and microbial pollutants such as volatile organic compounds (VOCs) - commonly released by carpets, upholstery fabrics and paint - can create a toxic environment that has been linked to poor health leading to hospitalisation and even death”*. He added that indoor air can be improved by quality filtering, *“as this will reduce exposure to pollutants.”*

What can you do to protect yourself?

In a densely populated and polluted city like Hong Kong, it can be very difficult to protect yourself, your family and your workers from harmful air, as breathing is, of course, an essential life support function. There are, however, a number of measures that you can undertake to improve the indoor air quality of your home or work place.

Oxyvital Split Units – the world's home first air purification technology that meets and exceeds World Health Organization (WHO) standards for indoor air quality – offer a number of ways to clean the air indoors so you can breathe safer and easier, whilst also protecting yourself and the health of your loved ones.

Created especially for all indoor spaces, including homes, schools, hotels, gyms and offices, Oxyvital uses a patent German technology that has been certified by the Hong Kong University of Science and Technology as the only one yet tested to meet *and exceed* WHO guidelines for achieving optimal indoor air quality. Oxyvital has a four-stage filtration process and works on a molecular level to successfully reduce all nine WHO-listed indoor air pollutants to safe levels, without emitting toxic by-products.

“Hong Kong is a fantastic city, but we all pay a price for it – pollution,” said Ilse Massenbauer-Strafe Founder and Executive Director of Oxyvital. *“We spend*

¹ Roadside pollution is worse than ever: Time to update 24-year-old air quality objectives, greens say; officials blame weather and old vehicles (9 January 2012), South China Morning Post, Byline Cheung Chi-fai

approximately 90 per cent of our time indoors, shouldn't our family, staff and colleagues enjoy the cleanest air possible? In these times of new pandemics and health scares it is important that our families and work force are protected with the best air purification technology in the world."

Founder and owner of Baby Bloom, a baby planning and green-proofing service in Hong Kong, Sarah Sanesi agrees: *"I recommend Oxyvital to my clients all the time,"* said Mrs Sanesi, a certified eco-consultant and Holistic Health Practitioner. *"I have done my research and Oxyvital is the only air purifier I know of that actually meets and exceeds WHO standards".*

The **Oxyvital Split Unit** is a triumph of function and form. Quiet operation with a sleek, portable design and cutting-edge technology, it offers families the maximum level of protection available today without compromising a room's aesthetic. The svelte unit is mounted on the wall and blends seamlessly with any design or setting. This unique space-saving feature is perfect for Hong Kong homes.

Virus Scare

Aside from air pollution, airborne viruses such as SARS and Avian Flu are a concern for many travelers. In 2010, Oxyvital underwent independent testing by the Beijing University of Technology (BJUT) to confirm its effectiveness against the spread of airborne viruses. The report released in November 2010 confirmed that Oxyvital air purifiers have 100% efficiency in the removal of airborne viruses including H5N1, H1N1 and SARS after 120 minutes in operation. The results state that Oxyvital air purifiers have a ONE-PASS or FIRST-PASS viral disinfection rate of 99.93%. That means, for every cycle of air that passes through the Oxyvital machines, 99.93% of the airborne viruses are reduced per cycle. Each cycle takes approximately 12 seconds.²

How Does It Work?

When air passes through the Oxyvital air purifier, it goes through a multi-stage pre-filtration process including a preliminary coarse pre-filter, a fine pre-filter and a HEPA pre-filter. These pre-filters remove dust and larger particles before the air is forced through a medical grade compressor and then into a patented ZeoSieve™ system.

The ZeoSieve™ system instigates a catalytic process that inactivates viruses and breaks down other airborne bacterial contaminants, some of which are smaller than 5 Angstroms (1 Angstrom = 1/10,000 micrometer). *"This is up to 2,000 times smaller than what most other air purifiers can process,"* explained Ilse Massenbauer-Strafe. *"Other air-purifiers commonly rely on HEPA filters to provide a clean air solution, whereas Oxyvital uses the HEPA filter as part of the pre-filtration process only to ensure only the safest air possible".*

² **Beijing University of Technology Study:**

<http://www.oxyvital.com/test/2010oct-ChinaVirusTest/BJUT-Report-Combined-ChiEng.pdf>

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About Oxyvital

www.oxyvital.com

Oxyvital is currently patented in U.S., Europe, China and select Asian countries. It obtained accreditation and certification from the Hong Kong University of Science and Technology (HKUST). It is also a German TUV certified medical device, and is recognised internationally for its stringent quality. The Oxyvital technology is currently widely used in Europe, America, China, Hong Kong and South East Asia. It is installed in government buildings, commercial and residential spaces, schools, fitness centers, medical institutions and more.