

A revolution in clean air movement: ALP active medical grade duct



Since the conception of air movement within buildings, we have struggled to ensure that air quality remained fresh and without contaminants. This is more evident in today's environment as we battle the unforeseen enemy known as Covid-19.

And it's not an easy goal. The premises of cooling air lends itself to poor air quality. As we continue to grow our cities and live in closer quarters, we find ourselves in an ongoing battle against the microbes that are displaced through ducting systems. Ducts particularly, are the ultimate breeding ground for such pathogens and poor maintenance and irregular-upkeep compromise the whole HVAC system.

Thirty five years of development and market research has given ALP an insight of the predicaments faced by engineers in designing a system that ensures clean air distribution.

"Over the years of presenting duct work to consultants, contractors, and occupiers alike, one issue has always stood out: How do we maintain air quality? Well now there is a solution, and Ductus have chosen to bring this technology into Australia."

"There is nothing else that comes close to the patented ALP active system, a fully integrated system that has been shown to surpass the European Medical Institute expectations," says Jim Malek, managing director of Ductus.

With decades of research and advancements; endless amounts of securitising by both internal and independent parties like the European Medical Institution, the ALP anti-microbial patented "active" system provides a true anti-microbial solution.

Silver, a natural occurring element has been long known for its powerful anti-microbial ability. ALP has taken that element and formed it into a Silver Zeolite compound which is embedded in the internal lining of the duct work. The compound actively seeks out and destroys over 600 known pathogens ranging from yeasts, mould, bacteria, and viruses including the Corvid virus and

Legionella Pneumophila to Salmonella Choleraesuis and Staphylococcus aureus.

ALP is relentless in ensuing excellence in air quality with recognition by many globally esteemed facilities with some of the most rigorous such as the FDA and HY Germany.

Case Study: ALP International on the front line to prevent the proliferation of virus and bacteria

When considering why the contagion of COVID-19 was more lethal in Lombardy than in the rest of Italy and Europe, the well-known Italian virologist Dr. Ilaria Capua, stated that while other factors shall be evaluated, there is a strong possibility that the virus multiplied through the contaminated ventilation ducts of old public hospitals.

He said: "Today more than ever we feel the need to recommend stronger prevention systems that can assure a great reduction of the micro-organic charge which regularly settles on the surface of "traditional" metal ducts."

ALPactive technology, with its silver ions and zeolite based natural active ingredient applied on the surface of the duct has shown a reduction of 99.99999 percent eradicating more than 600 families of viral microorganisms and strains including SARS, CORONAVIRUS, H5N1, therefore it be classified as an "antimicrobial" product.

ALPactive was launched by ALP International in 2006 and for the last fifteen years it has been the product of choice by many public and private companies including healthcare, food, pharmaceutical, hospitality and airports.

The acknowledgement from the market is also the result of the international certifications obtained (including EFSA in the UE, FDA and NSF in the USA, VDI in Germany) studies conducted and approved by Ministries of Health from several countries, including a significant 18-month study by the Italian Ministry of Health carried

on in 2004. ALP active has been tested as inhibitor of the proliferation of viruses and bacteria, that's why it should not be considered a discretionary accessory but should be instead rated as an essential instrument to limit contamination in confined environments.

The greatest characteristic of the ALP active patent system is the effectiveness of its antimicrobial presence, not only in application on air ducts but this technology is suitable for "self-sanitising" surfaces made of different materials such as paper, plastic and metals.

ALP has teamed up with companies operating in the healthcare, furniture and construction sectors, which have experienced similar antimicrobial results on the surfaces of their own products, we believe that new collaborations and new application studies will find more evidence in this space.

Ductus - ALP International is at the forefront of efforts to find and offer suitable new solutions to guarantee the quality of life and appeals to all the Institutions in order to work together and fight this emergency with no more uncertainty.

For more information about the technology and resources of this full antimicrobial system, please do not hesitate to contact one of our many distributors of Ductus/ALPs representative in Australia and New Zealand.



For more information visit www.ductus.com.au under media and downloads tab or contact us directly @ sales@ductus.com.au