

The **Ultra Low Volume (ULV) Fogging** process is faster and more effective on surfaces. It can also be applied to soft surfaces such as fabric and carpeting.

WHAT IS ULTRA LOW VOLUME (ULV) FOGGING?

Vectorfog™ ULV fogging equipment is used predominantly for the application of disinfectants, biocides, fungicides and pesticides. Our ULV fogging machines generate a fog or mist formed of Ultra Low Volume (ULV) droplets between 5-50 microns (µm) in diameter. Studies have shown that droplets of this size are ideal to tackle pathogens, vector carriers and pests. In addition formulations can be applied in concentrations of 10-90% and at flow rates of up to 0.5 litres per minute (30 litres per hour) making them more efficient in the Volume Median Diameter (VMD) spectrum.

DISINFECTION

Pathogenic microbes such as virus, fungi and pathogenic bacteria are the main cause of airborne or direct contact diseases affecting animals and humans. Studies show the application of disinfectants and biocides via aerosol or fogging significantly reduce the number of viable infectious pathogens. Foggers produce micro droplets that float in the air for around 10 minutes after application, reaching the most inaccessible parts where conventional cleaning or spraying can't reach.

PATHOGENIC BACTERIA

Ecoli Pathogenic bacteria contribute to many illnesses and infections whether food borne, water borne or airborne. These include diseases such as E-coli, MRSA, C. difficile, Campylobacter, Legionella and Salmonella. Unhygienic food preparation, water storage and air conditioning systems can harvest as well as spread these diseases. Bacteria such as MRSA and C. difficile are especially troublesome in hospitals, prisons and nursing homes, where patients with open wounds, and weakened immune systems are at greater risk of infection.

VIRUS

Influenza Viral infections make up around one third of cases of food poisoning in developed countries. Examples of these viruses include the Norovirus and Rotovirus. Other common viral infections include cold viruses and Seasonal influenza (the flu). An increasing concern due to a growing global population are animal or bird to human transmissions such as H1N1 (swine flu), and H5N1 strain of bird flu. Disinfection of surfaces using a fogger is essential to stop the spread of these infections.