

BIOACTIVE FILTER TREATMENT



CLEANER FILTERS IMPROVE INDOOR AIR QUALITY AND PERFORMANCE OF HVAC&R SYSTEMS.

Over time the filters of HVAC&R systems can become dirty as the air moving over the surface contain dirt, dust, pollen, moisture and other contaminants. A buildup of contaminants decreases the airflow across the filter, reducing the efficiency of the heat transfer process, leading to excess energy consumption and poor system performance.



PRODUCT OVERVIEW

The AerisGuard™ Bioactive Filter Treatment is applied to air filters at the time of installation. The filter treatment is based on patented technology that ensures a slow migration of a combination of active compounds into the dust particles trapped within the filter. Dust particles provide a source of nutrients for fungi, which rapidly grow colonies in untreated air filters. Towards the end of its working life a typical filter is highly contaminated. Aside from the potential human health consequences, the proliferation of the fungal root system ultimately leads to the filter becoming blocked.

Application of the AerisGuard™ Bioactive Filter Treatment dramatically reduces this fungal growth thereby extending the filter life, improving the filters dust retention, reducing energy consumption and improving the indoor air quality in buildings.

Clean filters ensures:

- Improved airflow
- Improved indoor air quality
- Increased system efficiency
- Prolonged asset & equipment life
- Reduced energy consumption

PREPARATION

Product Code	Description	Dilution Rate
AG-FT-5	Bioactive Filter Treatment 5L	Ready to use

Product Code	Application Rate
AG-FT-5	60ml per m ²

Always refer to MSDS & SOP Prior to product dilution & application



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FEATURES

- Residual biocide coated onto filter fibers, controls and prevents mould and fungi from colonising in filters
- Treatment migrates to dust particles making it toxic as a food source for microorganisms
- Treatment is designed to stay on filter fibers even under extreme air flows
- By controlling fungi and mould colonization the filter airflow is maintained
- The treatment assists in the capture of finer particles reducing their harmful effect on the indoor air quality

BENEFITS

- Improves the indoor air quality within a building
- Improves airflow by maintaining uniform pressure drop across the filter
- Increases filter efficiency
- Extends filter life
- Reduces the number of filter exchanges



CLEANS

AerisGuard™ Filter Treatments use patented antimicrobial technology to break down and digest the biofilm and other contaminants.



PROTECTS

AerisGuard™ Filter Treatments is then applied to create a biostatic protective coating on the surface. This provides up to 12 months residual protection to control, prevent and inhibit mould, fungi and odour causing bacteria. Ideal as part of an annual maintenance program.



OPTIMISES

Cleaner filters result in improved airflow, performance and energy efficiency. Indoor air quality and occupant comfort is also improved.



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