

Product Bulletin 7

AIR HANDLING SYSTEMS – Coil Treatment

INTRODUCTION

Air handling and Air Conditioning systems remove humid and warm air from a building to maintain the comfort of occupants. The hot air in the system consequently creates condensation, which can cause damage to equipment and to property if left to overflow, and acts as a source of nutrients for microbial growth.

WHY CLEAN?

Indoor Air Quality (IAQ) specialists have shown that the Air Conditioning system is the most frequent source of microbiological contamination in a building; they are dark, humid, and have a consistent source of nutrients on which bacteria thrive. In the majority of cases buildings have become contaminated with mould spores and other harmful organic matter, simply from lack of hygiene of the system.

Bacteria inside Air Handling units can affect the health of building occupants, with bacteria concentrated in volume each time it is circulated through the system. Other side effects include:

- blocked systems
- reduced cooling effect
- increased power usage
- odour
- property damage from condensation overflow
- increased maintenance costs

To avoid such problems, it is recommended that Air Conditioning systems are cleaned at least every 2 months, with condensate trays requiring regular cleaning to remove condensation.

OUR SERVICE

To minimise damage and bacterial growth in Air Handling and Air Conditioning systems, We recommend an approved treatment designed to effectively clean cooling coil and condensate trays for up to 6 months when applied correctly, minimising cleaning costs and system downtime.

Coil Treatment is applied directly to the cooling coil to prevent bacterial growth, which can block the equipment. Biocide Tablets are placed in the condensate trays and slowly dissolve to disinfect and minimise cleaning regimes.

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