



Client:
Nursing Home

Location:
London, UK

Date:
May 2015

Sector:
Nursing and Care Sector

AIR CLEANERS FOR NURSING AND CARE HOMES

AIRBORNE INFECTIONS WITHIN THE NURSING AND CARE HOME SECTOR, POSE A GREATER RISK THAN IN MANY OTHER PUBLIC ENVIRONMENTS.

ABOUT THE PROJECT

A report was published in March 2015 in the European Respiratory Journal, and the study claims to be the first to detail the negative effects of poor air quality in 50 different nursing homes across seven European countries, in Belgium, Denmark, France, Greece, Italy, Poland and Sweden. A total of 600 residents aged over 65 years (the average age being 82 years old) were used in the study, with each participant undergoing a number of clinical tests, including lung function testing and a health questionnaire.

The results showed that exposure to high levels of PM10 and NO2 was significantly associated with breathlessness and coughing. Additionally, high levels of PM0.1 were associated with wheezing and high concentrations of formaldehyde were linked with chronic obstructive pulmonary disease (COPD).

Having read the report, a care home manager based in London, had concerns about the air quality within their facility and contacted Camfil to establish the quality of the air within their care home facility.

Camfil's Air Quality Consultant visited the care home to carry out a series of particle counts and to demonstrate one of the small air cleaner units which effectively cleans the air of harmful particles in spaces up to 75m². The tests revealed that there were levels of harmful particles present that could lead to problems if not addressed.

The presence of indoor air pollution was largely being caused by outdoor air entering the building. Camfil were tasked with finding a solution to clean the air within the building.

SOLUTION

Based upon the results of the particle counts carried out, coupled with the space and layout of the care home facility, Camfil's Air Quality Consultant recommended a CamCleaner CITY M unit for the reception area of the building plus one in the residents' day room and further units were installed in each of the hallways in the residential corridors.

The CamCleaner CITY M units are strategically placed to clean the air within all of the core spaces and problem areas and the care home manager has commented that they are extremely pleased with the units as they help them to achieve and maintain high airborne hygiene standards without incurring high costs of having to upgrade their existing ventilation systems.

The standalone care home air cleaners provide suitable cleaning to protect the health of the staff and residents without the need to upgrade existing ventilation systems they had in place.

BENEFITS

- Healthier employees
- Healthier residents
- Less cleaning
- Lower energy costs
- Reduced environment impact

PRODUCTS USED:

CamCleaner 300
(environments up to 100m²)

CamCleaner 800 molecular
(hospitals, offices, homes, schools)

CamCleaner 2000
(industrial premises)

CamCleaner 6000
(large industrial environments)

✓ **CamCleaner CITY M**



CAMCLEANER CITY M



CAMCLEANER 800



CAMCLEANER 2000

To improve the indoor air quality within care home facilities or to find out more about the CamCleaner range of products, email sales@mfeuk.co.uk or call 01978 855995

