



Client:
TVTK Tennis Club

Location:
Trosa, Sweden

Date:
July 2014

Sector:
Sports &
Recreation

AIR CLEANERS USED IN TENNIS CLUBS TO IMPROVE AIR QUALITY

ABOUT THE PROJECT

The client was experiencing problems with particles from the floor, exercise clothing, odours and dust within the tennis centre. A centre like this not only has problems with a lot of particles from the flooring materials and people in motion but also, high levels of small combustion particles from the outdoor air.

The client needed a space cleaner for the indoor facility that could cater with the problem particles from both indoor and out. They had major concerns about the running costs of an HVAC system and were looking for a solution with a lower operating cost than they had previously had in place.

SOLUTION

Camfil carried out extensive particulate measurement throughout the tennis club followed by verification of these results which were taken into consideration and helped them to make their recommendations.

Based on the space, layout and usage of the premises, Camfil recommended that the client install 2 x CamCleaner 6000. These air cleaner units are specifically designed for larger spaces such as the sports centre and can be used to supplement existing HVAC systems or act as standalone air cleaning solutions. The CamCleaner 6000 units were supplied with F7 + E11 filters (>98% efficiency) and decay measurement start up.

The installation of the air cleaner units meant that the HVAC system could be shut down and supply air controlled through separate ducts and then releases into the ceiling. This can also be connected and controlled automatically with a CO2 sensor).

The existing ventilation ducts were connected to the two CamCleaner units to distribute the clean air and achieve a circulation effect in the room.

CAMFIL CASE STUDY

RESULTS

- 35% reduction in energy costs during shutdown of the air handling units (estimated)
- Reduction in the number of particles from 0.3 micron particle size with 62%, at the decay measurement (1h)
- Excellent heat mixing when pushing down the warmer air towards the floor that otherwise accumulates at ceiling height
- Reduction of odours
- More than twice as clean indoor air quality

ABOUT THE CAMCLEANER RANGE

Camfil's CamCleaner is patented and equipped with the most efficient air filters.

Thanks to the highly efficient HEPA filter cartridge with large filter area, the number of particles dramatically, and that long service life of the filter is achieved. You get a healthier work environment, more efficient production, less dust and fewer harmful particles.

CLIENT TESTIMONIAL

"The health and wellbeing of our customers is of paramount importance and thanks to Camfil, we recognise air quality as a priority. There is a huge difference since the installation of the air cleaners and we now have less dust and noticeably cleaner air, all without the installation costs that would've been associated with a new HVAC system."

PRODUCTS USED:

CamCleaner 300
(environments up to 100m²)

CamCleaner 800
(hospitals, offices, homes, schools)

CamCleaner 2000
(industrial premises)

✓ **CamCleaner 6000**
(large industrial environments)



To improve the indoor air quality within sports and leisure facilities or to find out more about the CamCleaner range of products, email uk.filtersales@camfil.com or call 01706 238000