

IAQ Solution for a Global Consultancy Firm

CASE STUDY - COMMERCIAL

Customer Profile

- Location: India
- Multinational Professional Services Network.
- One of the Big Four accounting organizations and the largest professional services network in the world by revenue and number of professionals, with headquarters in London, England

The COVID-19 pandemic has left its impact across industries, including the global management consulting industry. To recover from the impact of pandemic on business, consultants are now devising different work opportunities and new business strategies to adapt to the post-pandemic reality.

Client Requirement

Being among the top 4 consulting firms in India, the firm was concerned about the ongoing global crisis and hence wanted to invest in protecting & safeguarding their internal staffs and workers before they could invite them back to their premises.

They approached AAF for an IAQ solution for their Mumbai office as they were preparing to reopen their campus post the national lockdown.

AAF Solution

AAF representative visited the client's office for an air quality audit to check their current IAQ standards. Clients' office was spread across 5 floors and was made to accommodate more than 600 employees on any usual working day. As the client was planning to start the operations post the lockdown, they wanted to ensure their employees better working conditions so that they feel safe. As they had ceiling suspended VRV units, installation of HEPA filters were not possible.

Looking at their workspace & the pandemic, AAF suggested AstroPure 1000, a standalone unit to arrest the spread of the airborne virus in any controlled environment and ensures 99.95% particulate arrest through the advanced HEPA filters in the unit & UV light to ensure longevity of the HEPA filter.

AAF is the world's largest manufacturer of air filtration solutions, production, warehousing. It offers the most comprehensive global manufacturing capabilities in the air filtration industry. With a history of AAF and the legacy of Daikin, the clients were absolutely convinced with the solution suggested and wanted implement the solution immediately.

AstroPure - An IAQ Solution

AAF AstroPure is a very powerful system which delivers up to 2000 CFM operating airflow at the "High" speed setting. It is a stand-alone complete air purification system to recirculate and clean the air in a controlled environment.

It combines particulate, gas-phase, and high efficiency filters to remove airborne particles, gaseous contaminants, virus, bacteria, fungus and molds to provide total clean air solution.

Pre-filter prolongs the life span of a higher efficiency filter & gas-phase filter effectively removes odour and VOC problems.

Final HEPA filter removes fine particles, virus, bacteria, fungus, molds with the efficiency of 99.99% at 0.3µm.

Stages in Filtration

Pre filter - AmAir C (UL 900 Classified)

The effectiveness of any gas-phase filter corresponds to the density (weight per square foot) of activated carbon contained in the product.

AmAir/C is more effective than other odour control filters because it contains more chemical media.

AmAir/ C is the easiest and most recommended solution to many gaseous contaminant problems, including odours.

They have a Minimum Efficiency Reporting Value (MERV) of 7 when tested in accordance with ASHRAE Test Standard 52.2 and are classified in accordance with UL Standard 900.



Image 1: AmAir/ C



Image 2: AstroCel® VXL

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Final Filter - AstroCel VXL HEPA Filter

The AstroCel VXL filter is a lightweight compact filter designed for all kind of Industrial & Commercial installations.

Available in the EN1822:2009 classification H14, this filter's rigid design and pleated media pack with hot melt separators ensures that it delivers the desired air quality when used as a final stage filter.

This filter's hot melt separators maintain uniform spacing between pleats to allow optimal flow of air throughout the filter. These separators also ensure a large effective media area for low resistance and long service life.

Results

The client finally ordered 4 AstroPure 1000 units to ensure their office with better air quality.

AAF delivered the standalone units to the client's premises within 4 weeks.

As the units were plug & play and with caster wheels, it was very convenient for the clients to move the units and place it at their desired locations.

Air Filtration is proven to reduce absenteeism, increase productivity and reduce the impacts of sick building syndrome in conditioned spaces.

The client appreciated our efforts in coming up with an IAQ solution which helped them provide better working conditions and IAQ to their employees.



Image 3: AstroPure

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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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