

Right Terminal Housing for Exhaust Air

CASE STUDY - HOSPITAL

Customer Profile

- Location: **Qatar**
- One of the biggest hospitals in Qatar
- Government Funded Project: TB Hospital

Filtration Situation

Tuberculosis (TB) remains a common health problem across the globe.

This is the case of 2014 when the Government decided to construct a dedicated healthcare facility for communicable diseases. They wanted to finish this project as early as possible. Initially, the design was for standard ducted HEPA housings for exhaust in critical areas and recirculation in common area. The healthcare facility was already in contact with AAF for their filtration solutions.

AAF International Solutions

AAF experts were contacted to do a thorough analysis and to provide the best air filtration solution appropriate for communicable disease facility.

AAF team was uncertain about the installation of HEPA filters for exhaust, hence educated the client and the project management company about the probability of accumulation of hazardous contaminants and high risk for their maintenance staff if they used conventional HEPA housings at the exhaust. The customer was unaware of this situation and the apparent solution. AAF educated and recommended them to use Bag In Bag Out (BIBO) housing.

AAF BIBO is a safe, simple and reliable system for removing contaminated particles in hazardous environments.

With this system, maintenance personnel are protected from direct contact with the hazardous contaminants during filter change-out and testing. Each removal bag is cinched to a collar inside the housing door to prevent any leakage of contaminants during filter replacement.

Similarly, new filters are installed with the aid of a protective plastic bag. At no time during the change-out is the external atmosphere exposed to contamination from within the filter housing.



Results

The customer agreed to use fully welded, complete SS316 BIBO Housings with casing tested at 2500 Pa pressure. AAF installed 98 units of BIBO modules and 3 units of FFUs with Megacel-II in their cleanroom.

The client and the project management company were educated about the right air filtration system for terminal exhaust. They were satisfied with the results and awarded the replacement contract for supply of the spare filters for 3 years.

AAF is always a step ahead in innovation, research and development for providing clients the best air filtration solution.



Bringing clean air to life®

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