

Indoor Air Quality Solutions for Residential Properties, Schools, Universities and Commercial Buildings

Air pollution arising from Nitrogen Dioxide (NO₂) and NO_x continues to be a major problem in many of our inner cities. This has led to an increasing number of UK Local Authorities declaring all or part of their borough as a designated Air Quality Management Area (AQMA).

The EU Directive 2008/50/EC (The CAFE Directive) European Union Air Quality and Clean Air for Europe 2008 set stringent NO₂ levels for designated Air Quality Management Areas, which has significant implications for new building projects where indoor air NO₂ levels exceed 40ug/m³.

AAC NITROSORB® - Reducing Indoor Air NO₂, NO_x and SO₂ levels in Residential Properties, Schools, Universities and Commercial Buildings

At AAC Eurovent we specialise in the manufacture and supply of high performance Indoor Air Quality solutions designed to deliver proven and sustainable Nitrogen Dioxide (NO₂), NO_x and Sulphur Dioxide (SO₂) reduction.

Our solutions are based on AAC NITROSORB®. This patented dry chemical scrubbing media is recognised by planning departments as an acceptable NO₂ mitigation solution, and is routinely specified by Mechanical Consultants who are working on new build projects in Air Quality Management Areas (AQMA's) where there is a need to comply with this directive.

Indoor Air Quality and the AAC SWIFTPACK® NITROSORB® Filter System

The AAC SWIFTPACK® NITROSORB® Filter System incorporates AAC NITROSORB® media into the AAC PR™ range of media filter cells, which are then installed into a compact bespoke AAC SWIFTPACK® housing to deliver a high performance Indoor Air Quality solution.

The AAC SWIFTPACK® NITROSORB® Filter System is available in both standard and bespoke designs, and offers the very low pressure drops which are compatible with Mechanical Ventilation Heat Recovery Units, (MVHR's), typically 10Pa – 20Pa.



Key Benefits of the AAC SWIFTPACK® NITROSORB® Filter System

- Accepted by Planners as AQMA mitigation measure
- Compact and Bespoke Design
- Independently Tested
- Low Cost
- Low Pressure Drop compatible with Mechanical Ventilation Heat Recovery Units (MVHR)

Compatible with Mechanical Ventilation Heat Recovery System (MVHRs), Horizontal and Vertical Air Flows and Centralised Plant

The AAC SWIFTPACK® NITROSORB® Filter System incorporates AAC NITROSORB® into the AAC PR™ range of media filter cells. This solution is compatible with Mechanical Ventilation Heat Recovery Systems (MVHR), Horizontal and Vertical Air Flows.

For Centralised Air Handling Plant the AAC NITROSORB® Filter Cells can be installed by means of the AAC SWIFTKIT® System and the AAC SKELETON-FRAME™

PM10 and PM2.5 Filters

The AAC SWIFTPACK® NITROSORB® Filter System can also be fitted with suitably rated PM10 or PM2.5 pre filters to comply with the particulate aspect of the legislation, further improving the Indoor Air Quality of the building.

Continuous NO₂ Indoor Air Quality Monitoring System

AAC EQUINOX® is designed to measure the efficiency and performance of the patented AAC NITROSORB® SWIFTPACK® Filter System. This wireless NO₂ Monitoring System operates using an electro-chemical NO₂ sensor on the filter discharge. AAC EQUINOX® communicates over a wireless ZigBee protocol. The compact AAC EQUINOX® units can be deployed in a network, or mesh which only requires a single gateway hub to communicate data from the entire network back to central server (PC).

AAC EQUINOX® is able to monitor for NO₂, Carbon Monoxide, Temperature, Noise and Relative Humidity

AAC Swiftpack® NITROSORB® Filter System with Colourcell®

The AAC COLOURCELL® Media Filter system can be incorporated into the AAC SWIFTPACK® NITROSORB® Filter System to provide end users with an important visual indication of the condition of the installed AAC NITROSORB® media, and to when the media may require to be replaced.

To find out more about the role of AAC NITROSORB® in improving Indoor Air Quality please call us on 08444 774 884