

## ***NOx Filter System Domestic Filtration System for the Removal of Nitrogen Dioxide***

### **Applications**

- Nitrogen Dioxide Filtration System
- Tested up to 90% NO<sub>2</sub> removal
- For use in domestic or commercial buildings
- 50l/s or 100l/s models available
- Filter life up to 2 years
- Low resistance to airflow
- Compact Design
- Can be installed horizontally or vertically
- Bottom or Side access



Airclean's NOx filter is designed to filter polluted air entering domestic or commercial buildings through mechanical ventilation systems. The compact system uses combined particulate and gas filters to reduce levels of Nitrogen Dioxide and Particulate Matter to within target limits making the air safer to breathe.

### ***Nitrogen Dioxide Mitigation Solution***

The Airclean Nox filter can be used in conjunction with MVHR (Mechanical Ventilation Heat Recovery) systems in buildings where outside air breaches target concentrations of Nitrogen Dioxide. By filtering air entering the building, residents and occupants are supplied with clean air in line with EU Directive Limits. The NOx Filter houses the tested Airclean Type 1 Gas Filter in a Combi Filter style which can remove up to 90% of Nitrogen Dioxide, ensuring concentrations are brought below the Directive limits of 40 µg/m<sup>3</sup> prior to entering the building.

### **Particulate Matter Filtration (PM10)**

The Combi Filter is a uniquely designed combination air filter, fabricated to incorporate an internal PM10 Filtration Membrane filtering up to 90% of PM10 particulates that enter the NOx Filter.

### **Air Filter Replacement and Access**

The Gas Filters within the NOx Filter have an expected life of two years in typical city environments when installed after an MVHR system or Air Handling Unit containing pre filtration. Where pre filtration is not available, the filters are expected to last a minimum of six months prior to a significant reduction in system air flow.

### **NOX FILTER – Standard Units**

| NOX Filter<br>(Part<br>Number) | Airflow<br>Rating<br>(m <sup>3</sup> /s) | Clean<br>PD at<br>Rated<br>Air<br>Flow | Access            | Total<br>Weight<br>(approx.) | Dimensions (mm) |     |     | CombiFilter  |
|--------------------------------|--|--|-------------------|------------------------------|-----------------|-----|-----|--------------|
|                                |  |  |                   |                              | W               | H   | L   |              |
| NOX50-SA<br>1841101            | 0.05                                     | 40Pa                                   | Side              | 23kg                         | 320             | 180 | 690 | (4x)1650503  |
| NOX50-BA<br>1841111            | 0.05                                     | 40Pa                                   | Bottom /<br>Front | 25kg                         | 280             | 215 | 690 | (6x)1650502  |
| NOX100-SA<br>1841102           | 0.1                                      | 40Pa                                   | Side              | 45kg                         | 620             | 180 | 690 | (8x)1650503  |
| NOX100-BA<br>1841112           | 0.1                                      | 40Pa                                   | Bottom /<br>Front | 50kg                         | 550             | 215 | 690 | (12x)1650502 |

NOTE : All units include spigot options : 125Dia / 150Dia / 204x60 / 220x90 (Advise on order)

## ***Recirculating Pollution Filtration Options***

Where mechanical ventilation is not possible why not consider one of our Fan Filter Air Handling Units which to recirculate and clean the air within your room.

### ***Ezee Breathe Domestic***



Domestic / Small Room

### ***Ezee Breathe XL***



Workshop / Schools / Office

### ***Bespoke***



Large Office / Industrial