

The Nitrosorb Filter Unit you have selected is suitable for a maximum Air Flow of up to 21l/s.

In the Air Quality Report that you have provided, it states that “in most UK urban areas the principal pollutants of concern to human health are NO₂ and PM₁₀.”

Table 15 on page 20 of the Air Quality Report states the below predicted background NO₂ and PM₁₀ concentrations (ug/m³) as follows, with exceedances highlighted in bold:-

1) NO₂

2014: **51.20**, 2021: 39.71

- The Air Quality Objective is 40ug/m³ annual mean and 200ug/m³ 1-hour mean; not to be exceeded more than 18 times a year.
 - AAC's Nitrosorb (NO₂) Filters have an NO₂ Mitigation Efficiency of up to 92%, based on an independent MCERTS test.
 - MCERTS report conclusion: “Following the testing of the AAC Eurovent NO₂ Filter Unit for NO₂ removal efficiency at low inlet concentration levels, we believe that this unit containing the Nitrosorb™ Media will prove very effective in meeting the requirements of the EU Directive 2008/50/EC on Ambient Air Quality and Cleaner Air for Europe (the CAFÉ DIRECTIVE) for Property Developers Planning Application submissions.”

2) PM₁₀

2014: 23.27, 2021: 21.38

- The Air Quality Objective is 40ug/m³ annual mean and 50ug/m³ 24-hour mean; not to be exceeded more than 35 times a year.
 - AAC recommends that an additional PM_{2.5} particulate filter be included in the Nitrosorb Filter Unit for mitigation purposes.
 - Please note that the PM_{2.5} particulate filter will give the Nitrosorb Filter Unit a Pressure Drop of 55Pa.

I hope that the above information is sufficient for your needs.