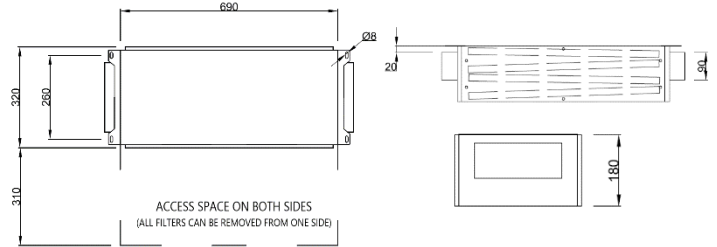


Domestic Filtration System for the Removal of Nitrogen Dioxide

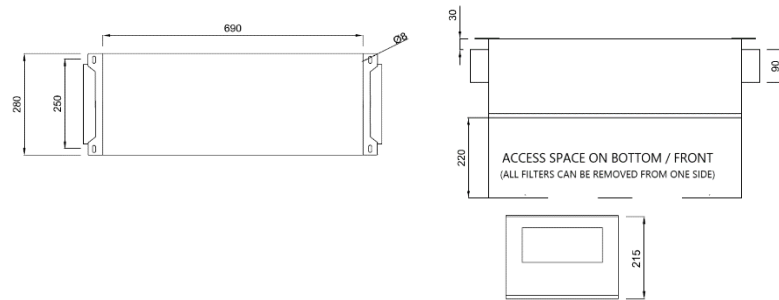
NOX 50 SA (side access)

NOX 50 BA (bottom/front access)

DIMENSIONS (width x height x length) [mm]:



Air filter NOX 50 SA: 320 x 690 x 180 mm



Air filter NOX 50 BA: 280 x 690 x 215 mm

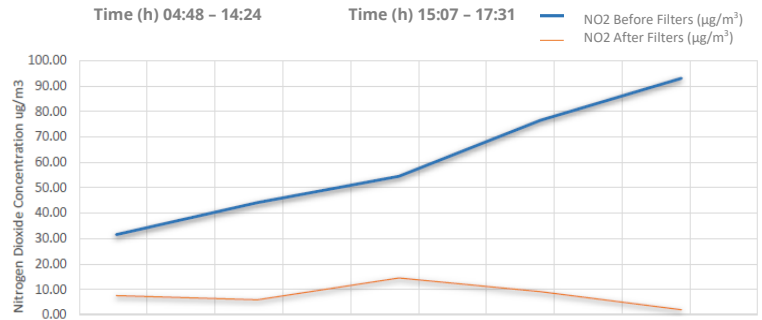
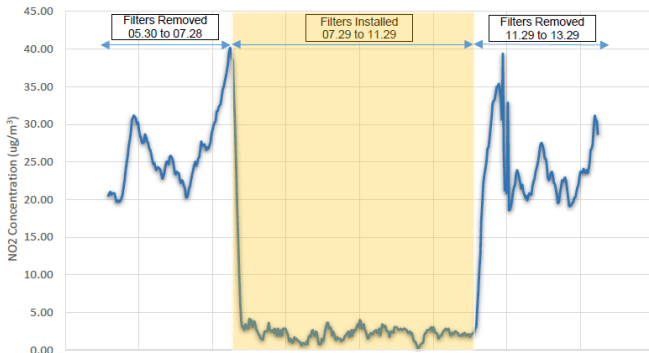
SCOPE:

- ✓ Designed to remove outdoor air pollutants including particulate matter and nitrogen dioxide from outdoor air being drawn into buildings through mechanical ventilation.

GENERAL PROPERTIES:

Typical Units	NOX 50 SA / NOX 50 BA	
Clean P.D. at rated airflow	40 Pa	
Mechanical Ventilation	MVHR Systems / Whole House - for use in domestic or commercial buildings	
Filter Access	Bottom/front or side access	
Mounting	Can be installed horizontally or vertically	
Construction	Compact design, low resistance to airflow	
For the removal of	PM ₁₀ and NO ₂ , SO ₂ , O ₃ , VOC (Tested up to 90% NO ₂ removal)	
Spigots	125Dia / 150Dia / 204x60 / 220x90 (Advise on order)	
	NOX 50 SA	NOX 50 BA
Airflow Rating	0.05 m ³ /s	0.05 m ³ /s
Approx Unit Weight incl. filters	23 kg	25kg
Filter dimensions	600x300mm; weight: 3,2kg each	600x300mm; weight: 2,5kg each
Filter Spares Type 1 Gas Filters	4x (max life:2 years)	6x (max life:2 years)

EFFICIENCY - Nitrogen Dioxide against Time:



FILTRATION DETAILS:

✓ **Nitrogen Dioxide Mitigation Solution**

The 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 Gas Filter Type 1 which can remove up to 90% of Nitrogen Dioxide, ensuring concentrations are brought below the Directive limits of $40 \mu\text{g}/\text{m}^3$ prior to entering the building.

✓ **Particulate Matter Filtration (PM_{10})**

The Gas Filter Type 1 is a uniquely designed combination air filter, fabricated to incorporate an internal PM_{10} Filtration Membrane filtering up to 90% of PM_{10} particulates that enter the NOX Filter.

MAINTENANCE:

- ✓ The NOX Filter System should be positioned and fitted in the supply air ductwork on either the positive or negative pressure side of the fan.
- ✓ Air Filters will require changing, so consideration to access panels and installation space should be