

## Genano 3G-680

### Electric Duct Filter with Fan

The features of Genano 3G-680 duct filter:

- High efficiency particle filtering down to 0.1 microns
- Integrated activated carbon for gas adsorption
- LED UVC for microbial elimination
- The fan optimises filtration performance whether used with ducting or as a standalone unit.

Collectors include active carbon

Technical information	Genano 3G-680
Clean Air Delivery Rate	70-653 m <sup>3</sup> /h
Particle cleaning efficiency (air speed 420 m3/h)*	0.1 µm: 99.3 % 0.3 µm: 99.4 % 0.5 µm: 99.4% 1.0 µm: 99.6 % 2.5 µm: 99.8 %
Filter	Particle/Activated carbon 300x300x270 mm 8 pockets
UVC Light	Highest Rating (16/16) in MERV/URV classification
Dimensions (W x H x D)	359 x 311 x 809 mm
Weight	14 kg
Material	Aluminium, painted steel
Installation	Duct, ceiling, wall
Power consumption	Max 145W
Sound level	25-54 dB(A) at 3 m
Rated voltage	220-240 V, 50/60 Hz

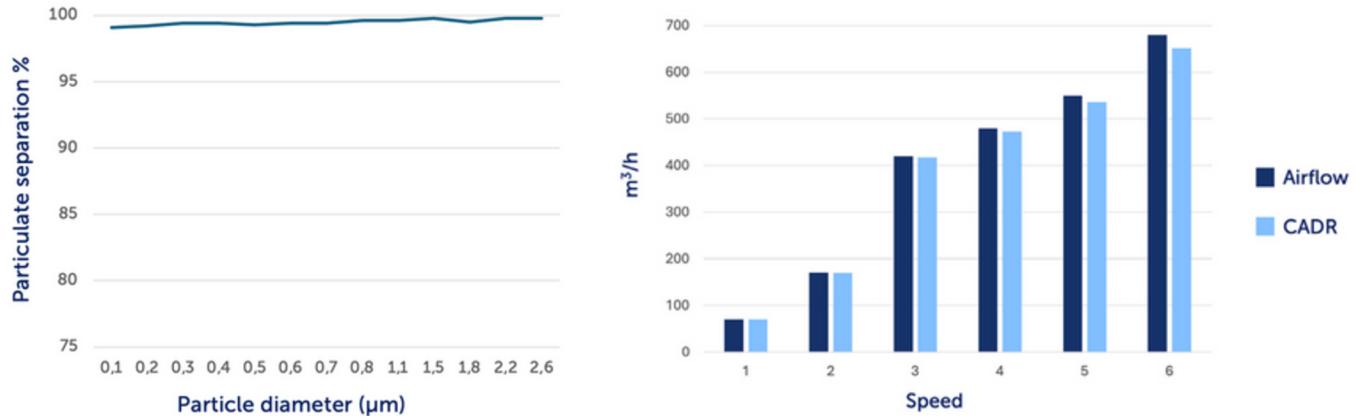


\* Tested by VTT Research Institute

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# Genano 3G technology

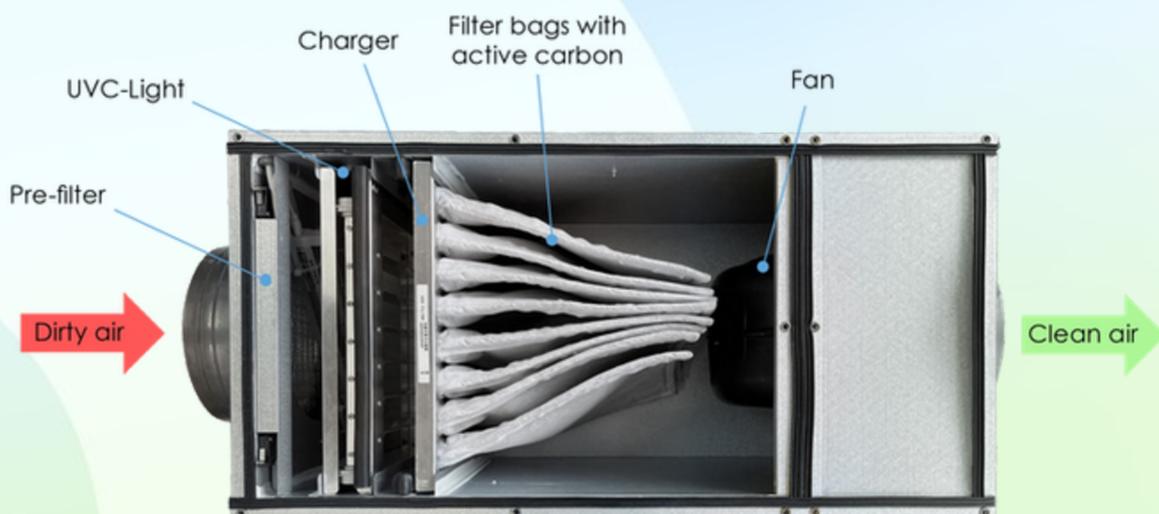
## Electric duct filtering system



### OPERATING PRINCIPLE

The Genano 3G-680 uses a multi-step system to purify air efficiently. It charges incoming particles, capturing them on a two-part filter bag with an enhanced particle filter for fine particles and activated carbon for gases. The unit's fan maintains airflow, while UVC light periodically destroys bacteria and viruses on the filter.

The Genano 3G-680 efficiently purifies indoor air by eliminating airborne impurities, whether used as a standalone unit or integrated into an HVAC system. With its built-in fan, the Genano 3G-680 can also serve as a fresh air unit, filtering outdoor air before it enters the building. This ensures that cleaner air circulates through air conditioning and ventilation systems, maintaining a healthier indoor environment by reducing contaminants.



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