



Philips  
NanoProtect HEPA filter

99.97% 0.3 $\mu$ m particle removal\*  
Remove UFP as small as 20nm\*\*

FY6172

# Breathe the difference

Double performance, double reassurance

Double deck of outstanding filter media to ensure doubled superior particle removal performance. Filters 99.97% 0.3 $\mu$ m particles, including common allergen, dust, pollution, bacteria & some virus. Filters ultra fine particles as small as 20nm

**Filters 99.97% 0.3 $\mu$ m particles**

- Innovative structure & process to make the superior filter

**Filters ultra fine particles as small as 20nm**

- Special layered media provides specific filtration technology

**PHILIPS**

NanoProtect HEPA filter  
99.97% 0.3µm particle removal\* Remove UFP as small as 20nm\*\*

# Specifications

## Country of origin

- Made in: Korean

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# Highlights

## Innovative structure & process

87 optimized pleats structure together with German Hankel hot melt to form more than 400 stable filter sections, gives unfolded area about 2.3 m<sup>3</sup>. High grade filter seal enabling the filter assembly firmly and guarantee the sealing, not only prevents leakage and ensure all air flows through filter, but also reduces noise.

## Specific filtration technology

Special layered media provides the combination of specific filtration technology targeting large range of particle sizes. Mechanical & inertial means captures bigger particles, which are more than ~0,5 micron, and diffusion & electrostatic mechanism effectively captures ultra fine particles as small as 20nm.



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\* Tested for Staphylococcus Albus, condition refer to Anti-bacterial properties tested according to GB21551.3 using Staphylococcus Albus, initial concentration is 1\*10<sup>5</sup> cfu/m<sup>3</sup>

\*\* The filter was tested with NaCl test aerosol according to DIN71460-1 in IUTA. The 20nm particle removal efficiency was determined as an average of 98%