

**Typical HEPA air purifiers filter 99.97% down to 0.3 microns.
The Defender air purifier filters 99.99% down to 0.1 microns.**

Particle sizes and references:

Asbestos - 0.1 microns and greater

Paint Pigment - 0.1 microns and greater

SARS-CoV-2 (COVID-19) - 0.1 microns and greater

Tobacco Smoke - 0.1 microns and greater

Lead Dust - 0.1 microns and greater

Carbon Dust - 0.2 microns and greater

Burning Wood - 0.2 microns and greater

Bacteria - 0.3 microns and greater

Pet Dander - 0.5 microns and greater

Mold - 3 microns and greater

Pollen - 10 microns and greater

Dust Mites - 100 microns and greater

Sources:

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)

[Source Link](#)