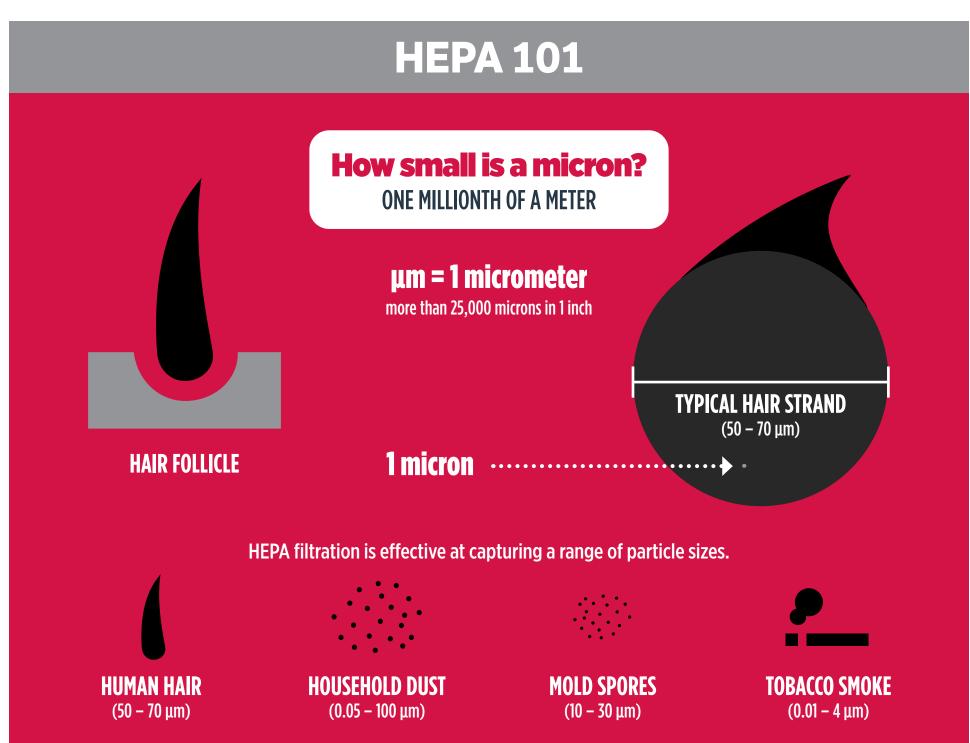


HEPA Filtration: Breaking it Down, Particle by Particle

What is **HEPA filtration?**

High-efficiency particle air filters intercept debris and junk to purify the air released. HEPA filtration captures 99.97% of particles, 0.3 microns, or larger, in size. This technology dates back to the Manhattan Project during World War II, which filtered radiation particles. Today, after even further innovation, you can find it in air purifiers, vacuums, and hand dryers.





4 Ways HEPA Filters Trap Contaminants



fibers and stick to them

Direct impact – particles bump into glass



particles from passing

Sieving – fibers block unwanted

for air flow, while adding an extra layer of particle blockage **Diffusion** – air molecules knock smaller

Interception – glass fiber maze twists path



particles into the fibers where they stick

Clean Air Effectively Nearly every high-traffic industry relies on HEPA filtration for its effectiveness to rid the air from contaminants.







WORLD DRYER

Touchless Solutions Within Arm's Reach

LEARN MORE AT: worlddryer.com/hand-hygiene FIND FACTS AT: who.int or cdc.gov

² (1997) Residual moisture determines the level of touch-contact associated bacterial transfer following hand washing. University of Auckland, Auckland, New Zealand.