

Airfree Technology – Natural Air Convection

Inside the patented TSS™ ceramic core are multiple heated capillaries with approx. 400 °F that work as mini chimneys where microorganisms are naturally destroyed at high temperatures.

The hot air goes up the capillaries and gets sterilized, generating a negative pressure at the bottom of the capillaries, whereby constantly drawing contaminated air into them in a continuous and silent cycle called air convection.



The Process

Thermodynamic Sterilizing System (TSS)

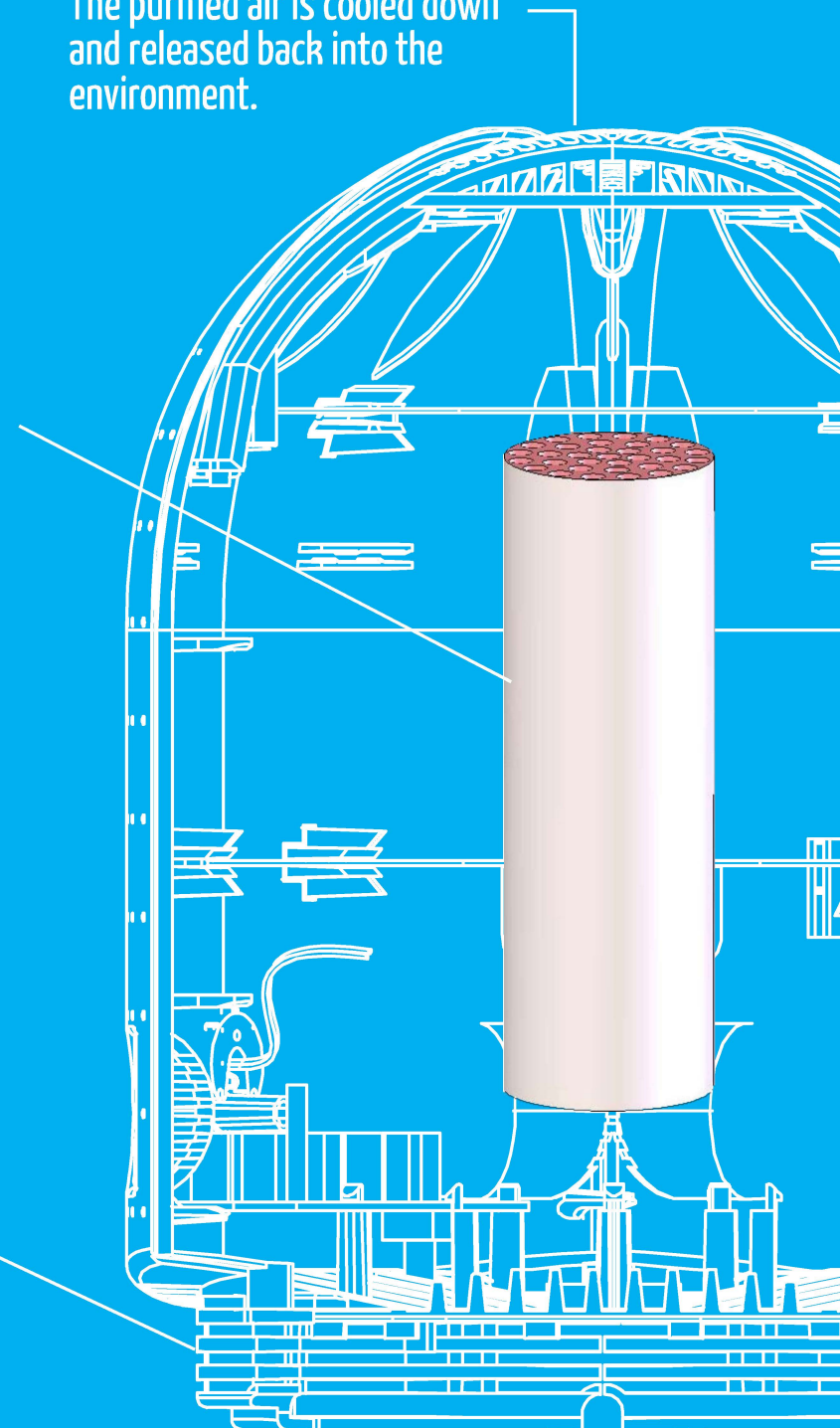
Destroys (not capture) 99.99% of airborne microorganisms.

Airfree TSS ceramic core heat of up to 400° F inside the vertical mini ducts exceeds the temperature required to sterilize airborne bio-aerosols containing bacteria, mold, viruses, pollens, and organic allergens including dust mite Der p1.

Sterilized Air Outlet

The purified air is cooled down and released back into the environment.

Contaminated
Air Inlet



Airfree as per many independent tests destroys:



Viruses



Bacteria



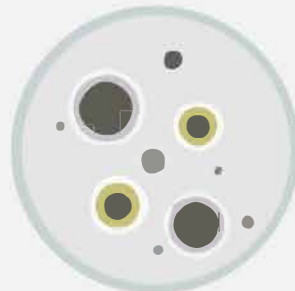
Pollens



Organic Odors



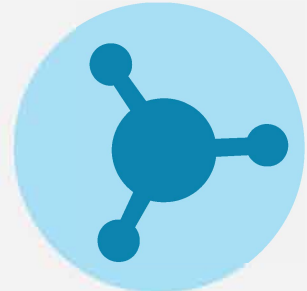
Pet Dander Allergens



Mold and Fungi



**Dust Mites Allergens
like Der P1**



Ozone

Airfree Divisions

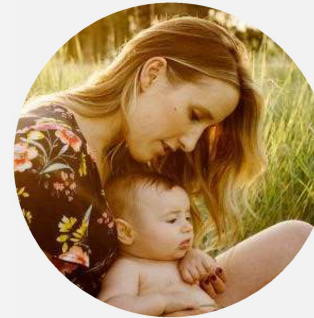
End Consumer



Allergy and Asthma



Mold



Baby and Pregnancy



Elderly

Corporate



Hotels



Museums and Libraries



Offices



Hospitals and Clinics



Schools

Airfree Advantages

Existing Technologies

Indoor Air pollutants	TSS™ - Airfree	Ionizers	Photocatalytic air purifiers	Ozone Generators	HEPA Filters (> 0,3 microns)	X > 1 micro	
						Particle Filters (> 1 micron)	Carbon Filters
Home dust	✓*	✓	-	-	✓	✓	✓
Ozone	✓	-	-	-	-	-	-
VOC	-	-	✓	-	-	-	✓
Airborne bacteria	✓	-	✓	✓	-	-	-
Airborne fungi	✓	-	✓	✓	✓	-	-
Virus	✓	-	✓	✓	-	-	-
Dust Mite Allergens	✓	-	-	-	✓	✓	-
Pollen	✓	-	-	-	✓	✓	-
Odor	✓	✓	✓	✓	-	-	✓
Pet Dander	✓	-	-	-	✓	✓	-

*Home dust is mainly composed of: dust mite feces and skeletons, hair, dead skin, pollens, fabric remains, pet dander, bacteria, viruses, mold spores etc.. People who are allergic to home dust are in other words allergic to one or more of the above listed components. The vast majority of those components is organic and therefore denatured by heat. Although Airfree will not remove dust, it will turn airborne dust into harmless particles and as such help people who are allergic to it.

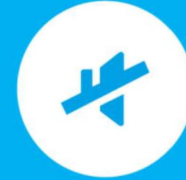
What are the advantages of using Airfree when comparing to other purifiers?



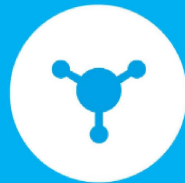
Patented and Environment
Friendly Technology



Requires no
Maintenance



Totally Silent



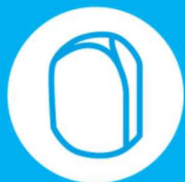
Reduces Ozone
Does not release ions



Small and Portable



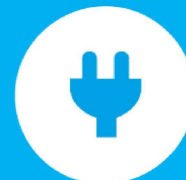
Night Light*



Award-Winning design



2-year Warranty



Low Energy Consumption

* Check the available models