



Open our door into the secrets of air



The Air is all around us

It sustains us

Sometimes it restrains us



When we are vulnerable air can carry
infections to us,

Dust floats bacteria and viruses to land
on surfaces,

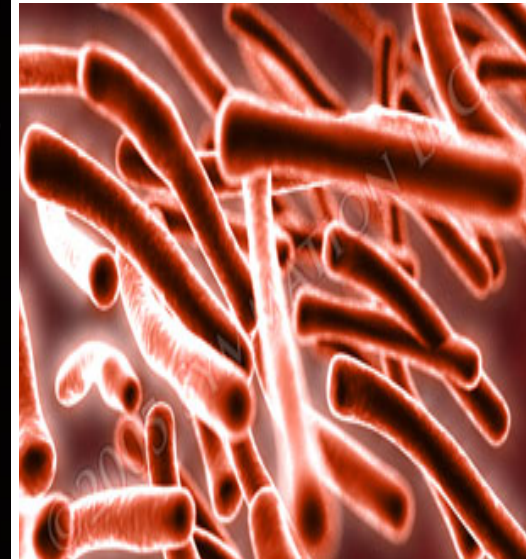




Some pathogens
travel directly

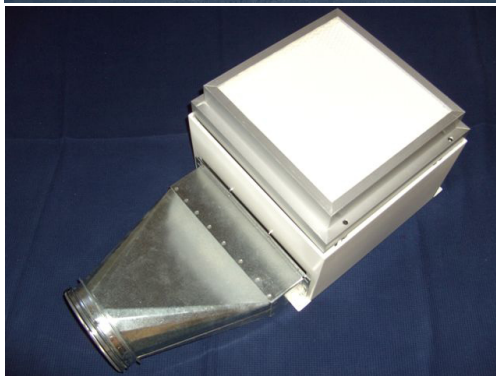


Bio – Aerosol's,
due to particle size,
can stay in room air
indefinitely!



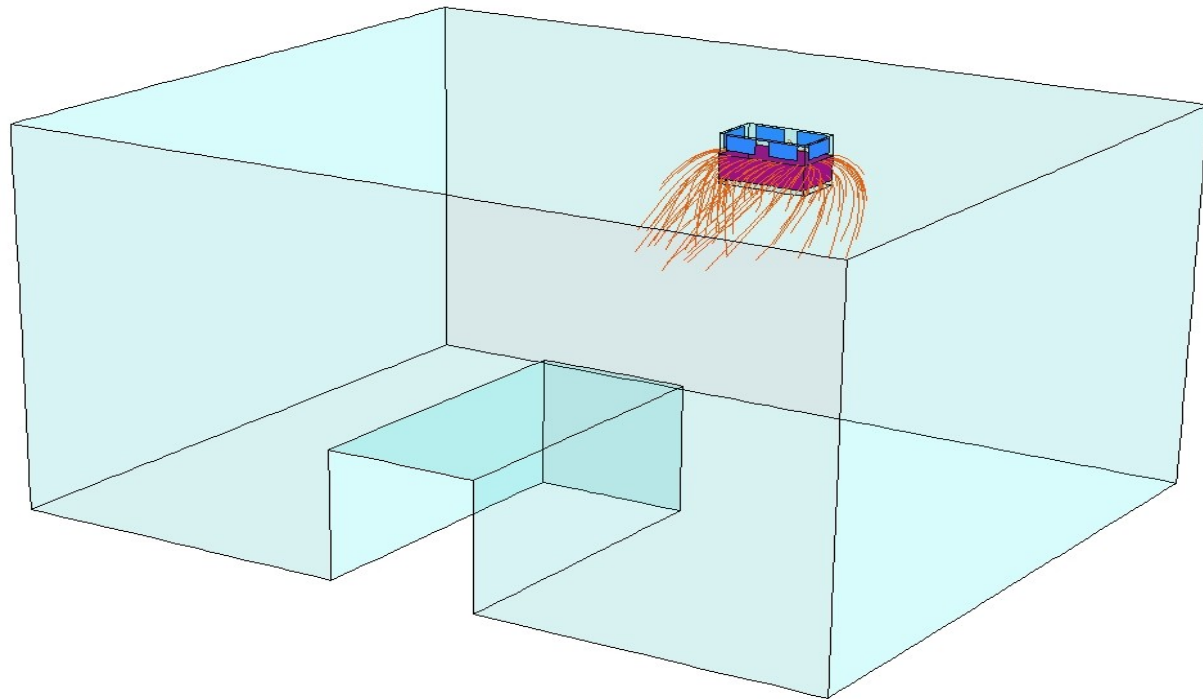


Sentry
Ultra-clean Recirculation
Always on duty

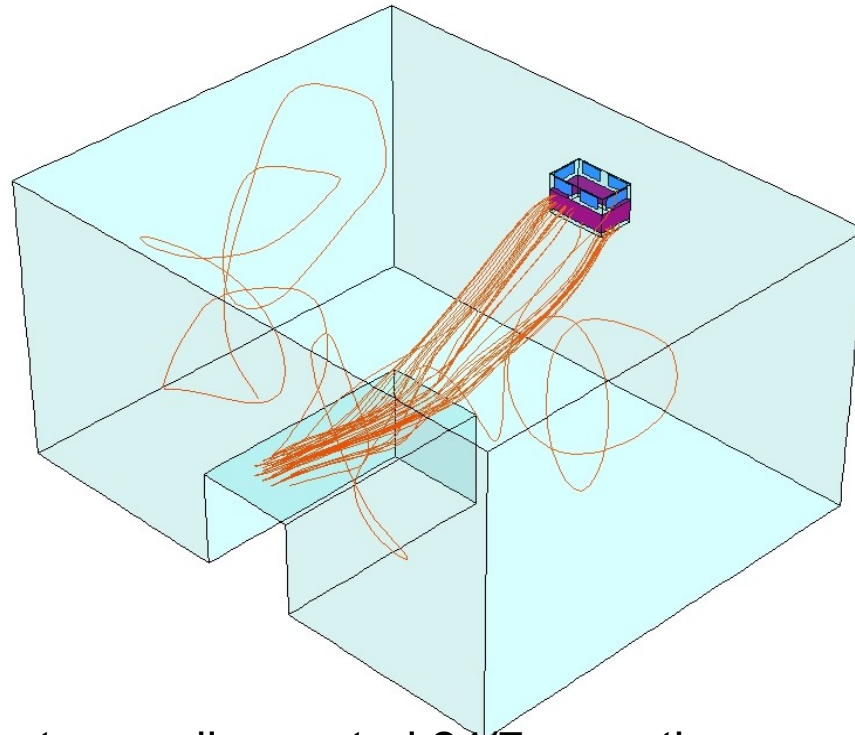


Shield
Ultra-clean Pressure
Barriers

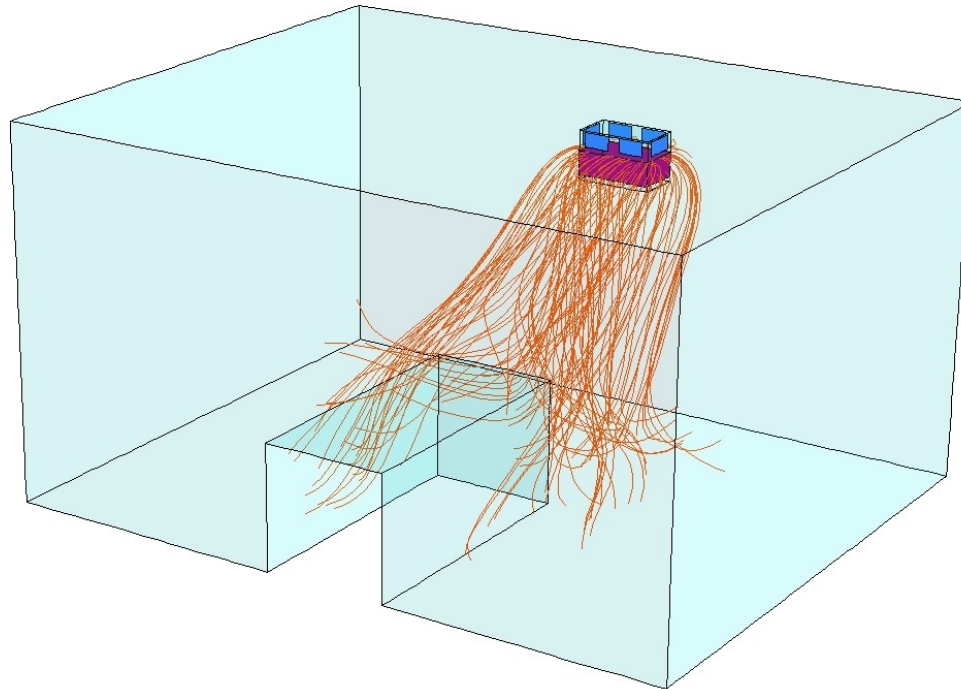
Spartan
Mobile Stand-by
2012



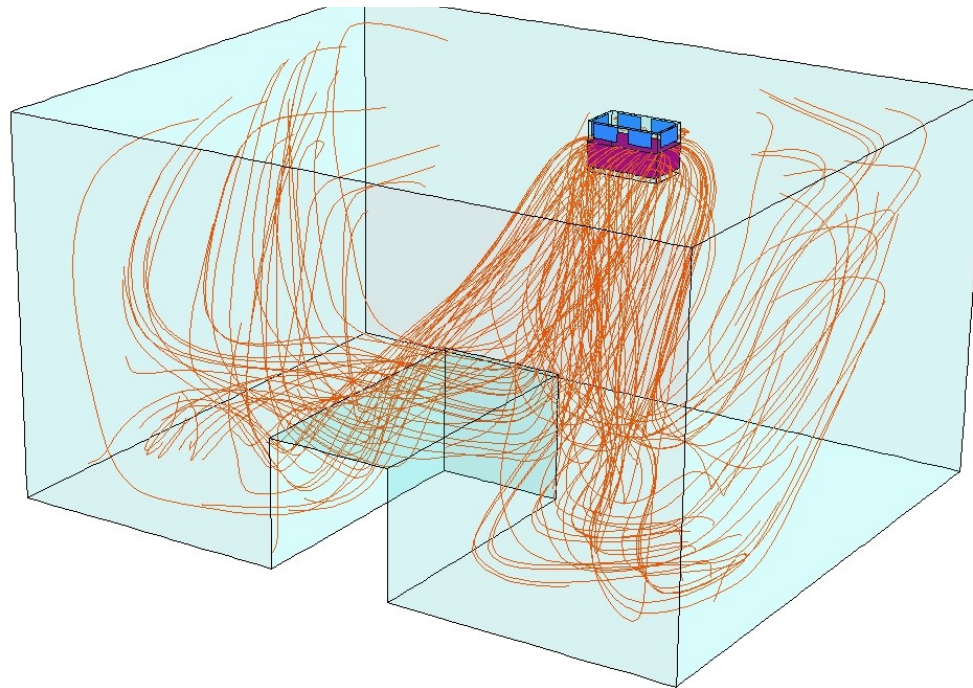
Sentry - wall mounted 24/7 operation



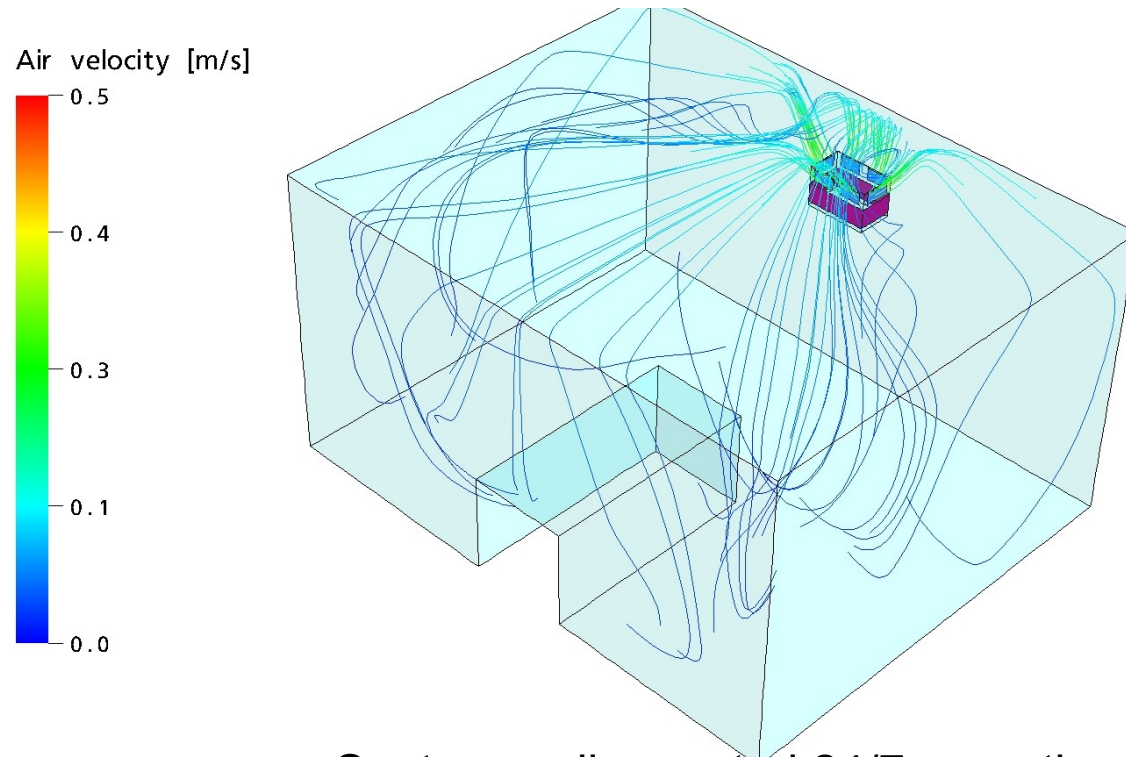
Sentry - wall mounted 24/7 operation



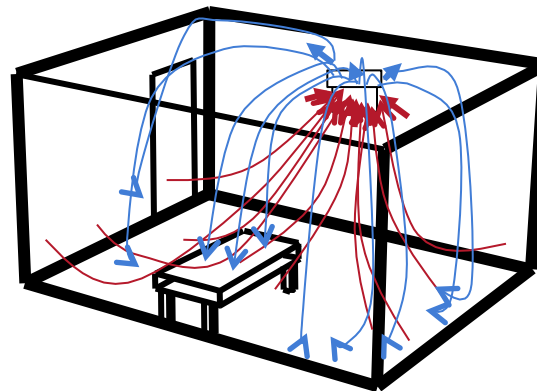
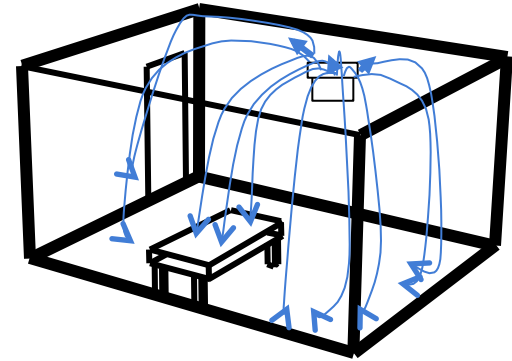
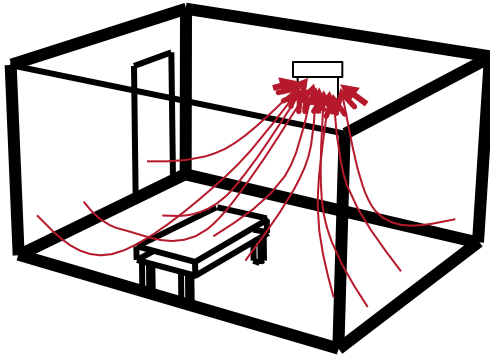
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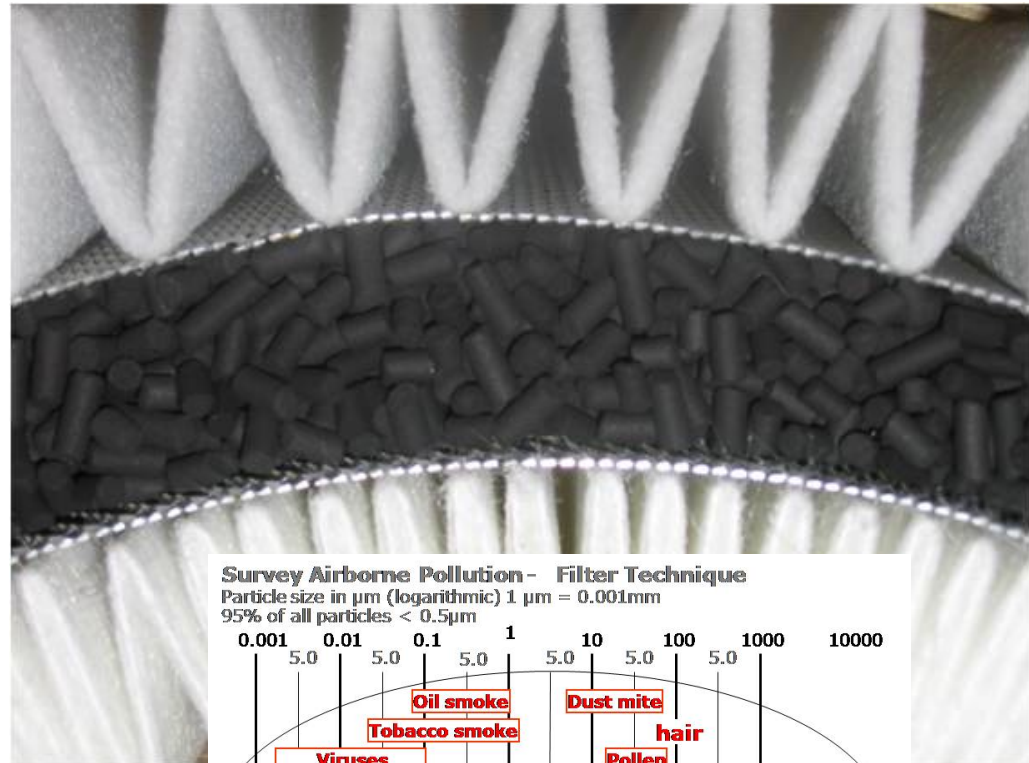
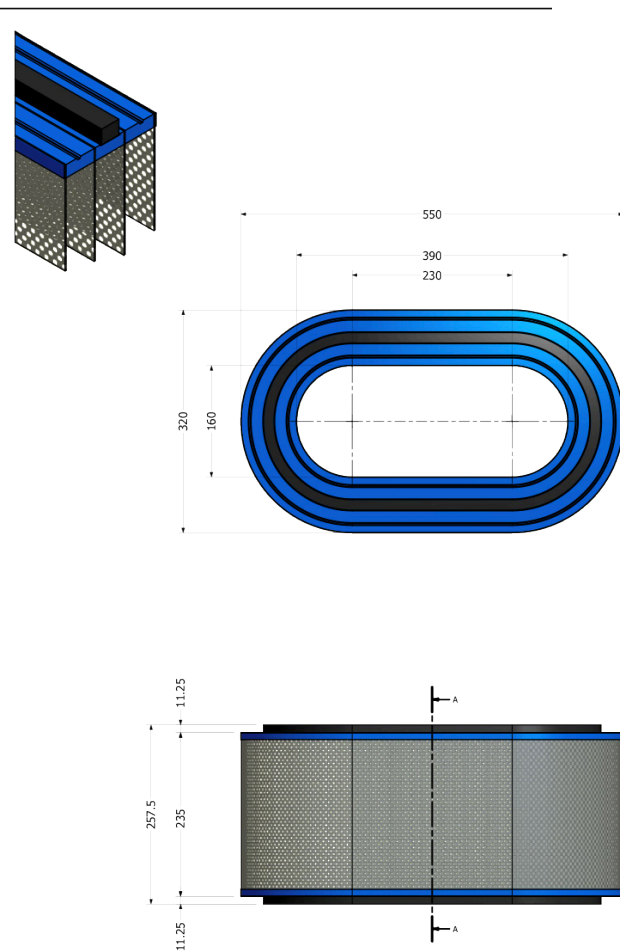
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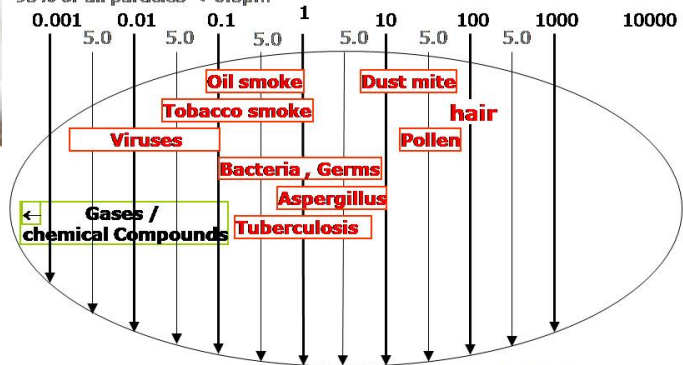


Sentry - wall mounted 24/7 operation



Survey Airborne Pollution - Filter Technique

Particle size in μm (logarithmic) $1 \mu\text{m} = 0.001\text{mm}$
95% of all particles $< 0.5 \mu\text{m}$



Sources: SWKI - Filtec AG (CH)



Single Pass Efficiency for some airborne contaminants

C.Diff Spores	99.9975 %
Aspergillus spp.	99.9975 %
Tuberculosis.	99.9975 %
Sars.	99.9975 %
Varicella.	99.9975 %
MRSA-Particles.	99.9975 %
Influenza viruses.	99.9975 %.

If its airborne its removed -



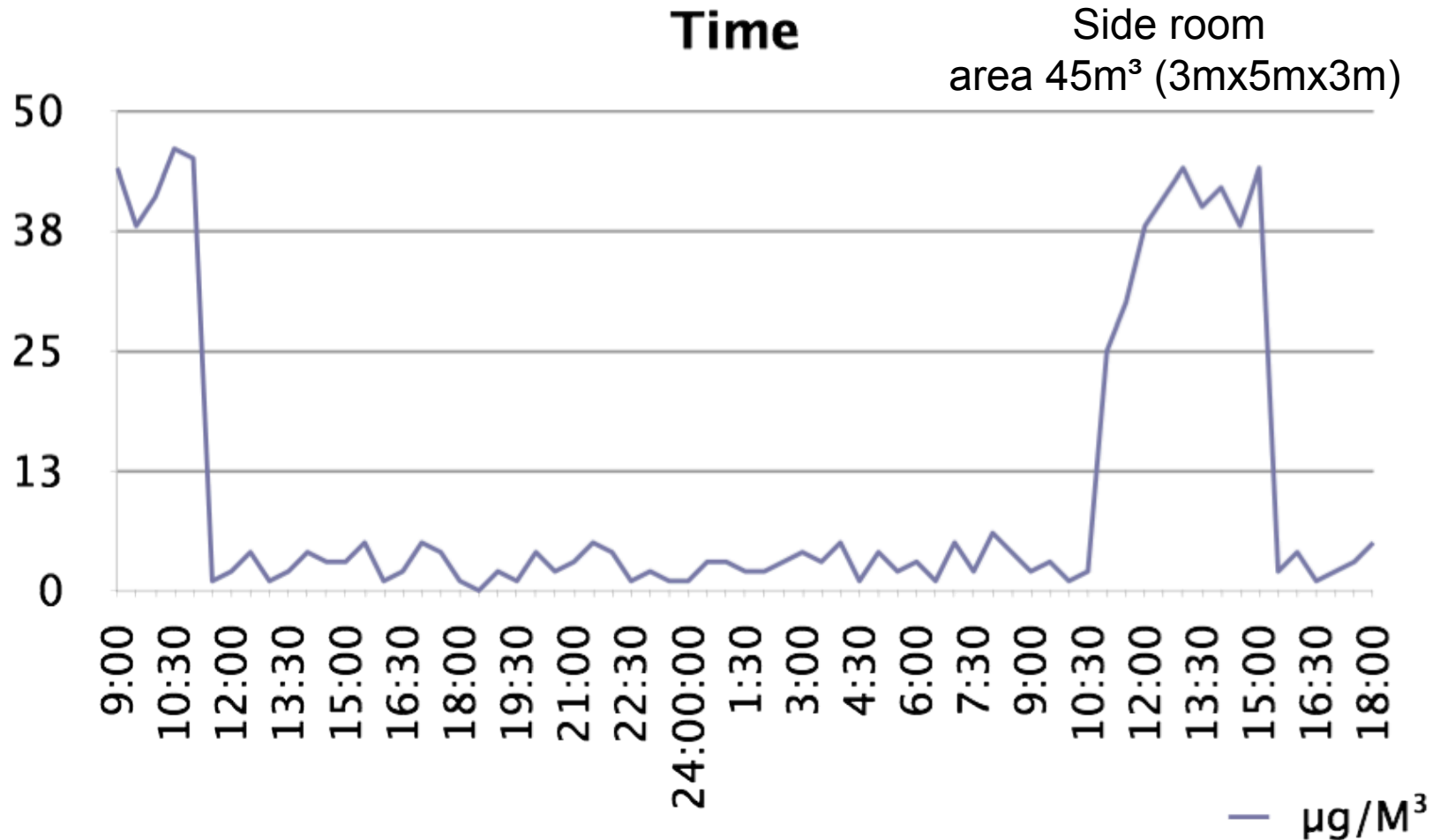
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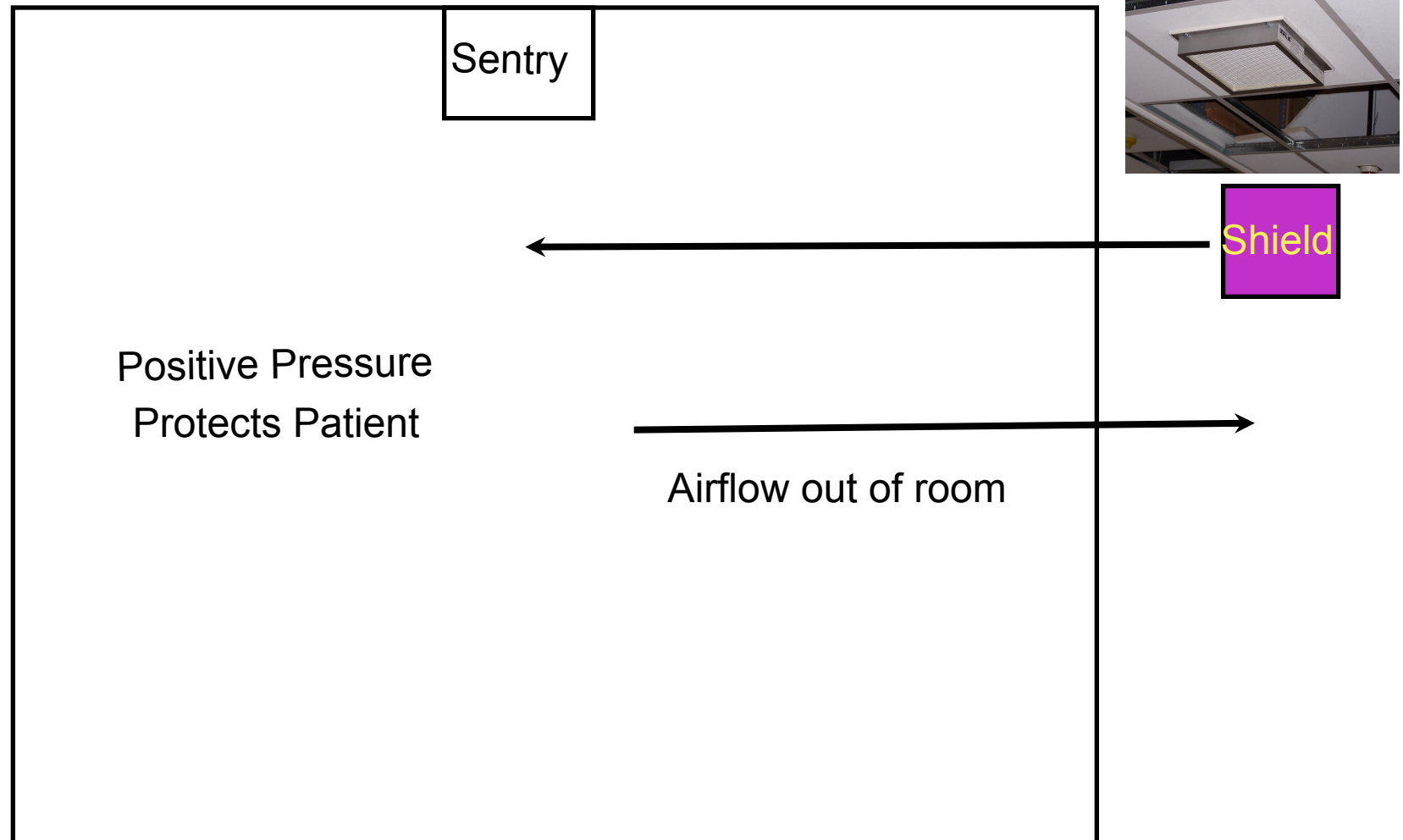
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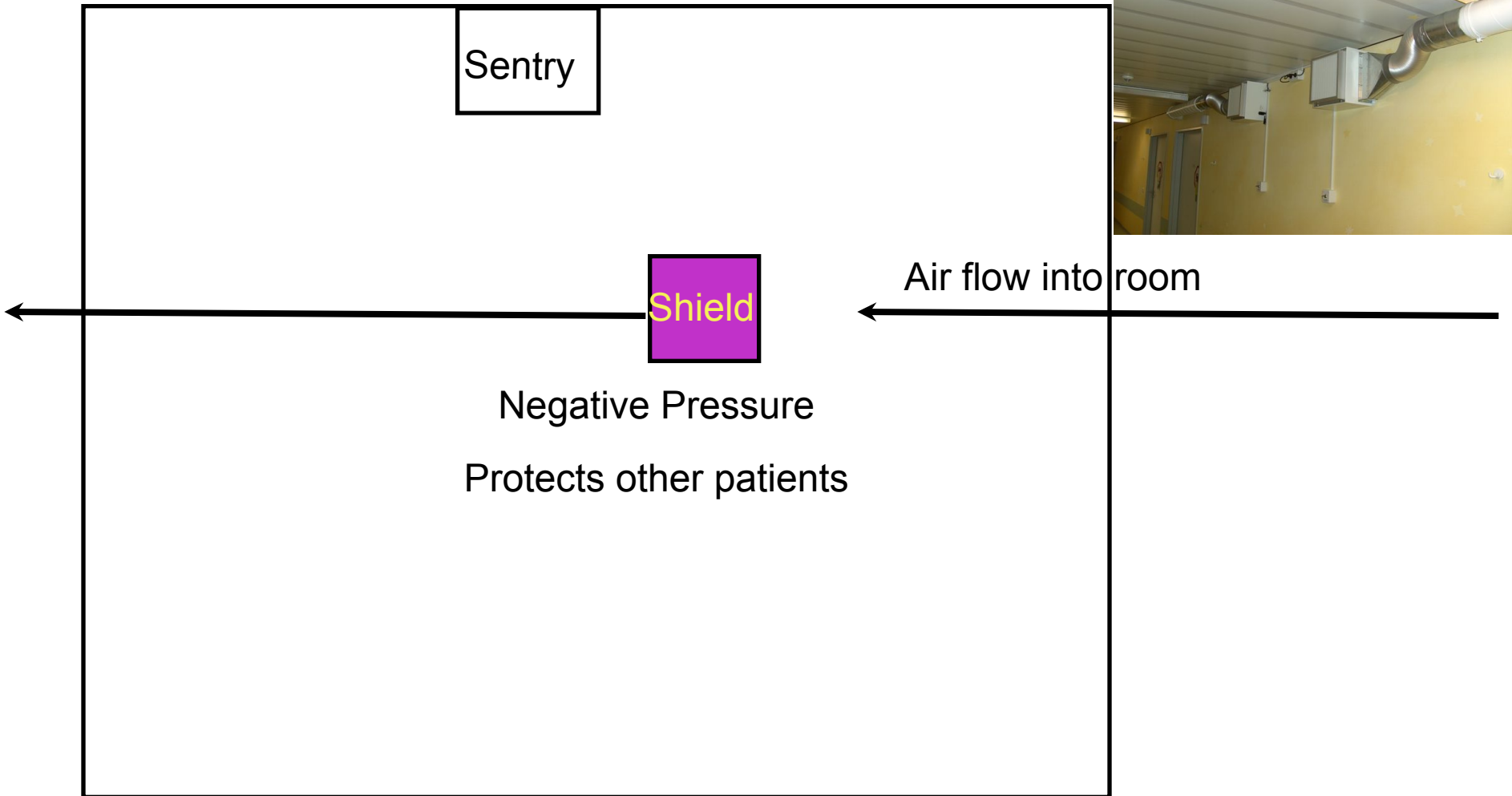
If its airborne its removed -



Efficiency in use for all particle sizes
Side room
area 45m³ (3mx5mx3m)











The Air is all around us

Thank you for listening