



Comparison Technologies

Centre de Recerca en Seguretat
i Control Alimentari

UNIVERSITAT POLITÈCNICA DE CATALUNYA

Type	Size of the particles removed	Remove bacteria	Remove viruses	Remove allergens	Remove Molds and yeasts	Remove VOCs	Remove cigarette smoke	Remove odours	Maintenance	Operation Area	Technology	Cost	Hazardous	Efficiency
HEPA Filters	0,3 microns	Some	No	Yes	Yes	No	No	No	Yes	Mid	Passive (Pass through)	High	No	Low
Ion Generator	0,1 microns	Yes	Yes	Yes	No	Yes	Yes	No	Some	Short	Active (environmental)	Low	No	Low
UV Lamp	N/A	Yes	Yes	Yes	Yes	No	No	No	Some	Short	Active	Low	Yes	Low
Carbon Filters	N/A	Some	No	Some	Some	Yes	Yes	Yes	Yes	Short	Passive (Pass through)	High	No	Low
Ozone Generator	N/A	Some	Some	No	Some	Some	Yes	Yes	Some	Mid	Active (environmental)	Low	Yes	Low
Photo catalysis	0,1 microns	Yes	Yes	Yes	Some	Yes	Yes	Yes	Yes	Short	Passive (Pass through)	High	Yes	Mid
•OH Wellis Technology	<0,1microns	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Some	Large	Active (environmental)	Mid	No	High

