

 HEPAeSORB  
IAQ-models



# THE LIFA AIR CONCEPT

Secure Solutions for Better  
Indoor Air Quality

**LIFA AIR**<sup>®</sup>

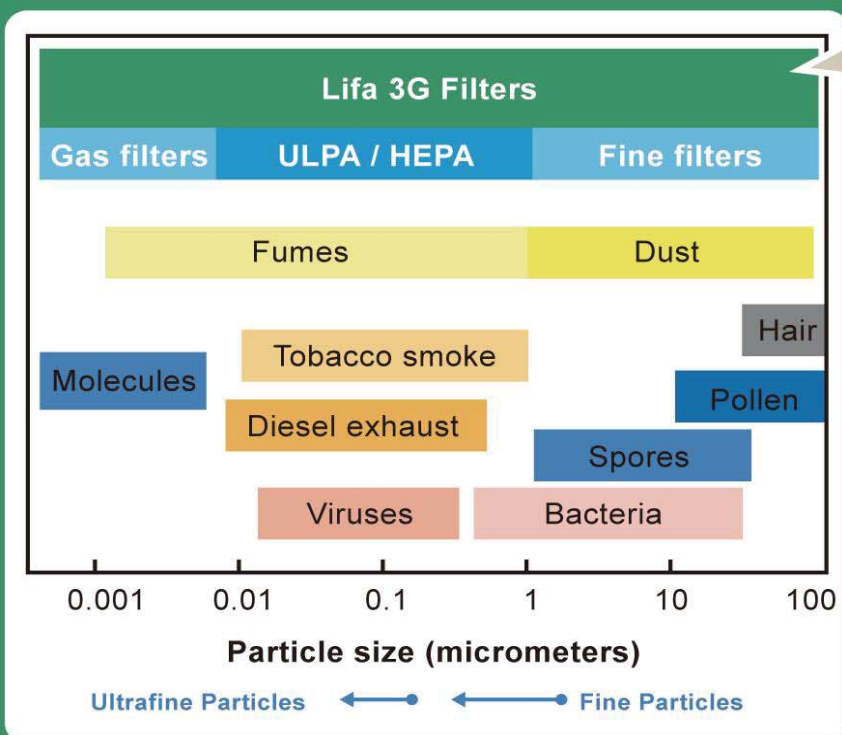






# LIFA 3G FILTER

## 3 IN 1 GREEN FILTER



### **3 IN 1 Filter**

*Lifa 3G Filter removes:*

- 1) Bacteria & Virus
- 2) Fine Particles (PM2.5 & PM10)
- 3) Gas (TVOC & BaP)

### **Green Filter**

*Energy saving!!*

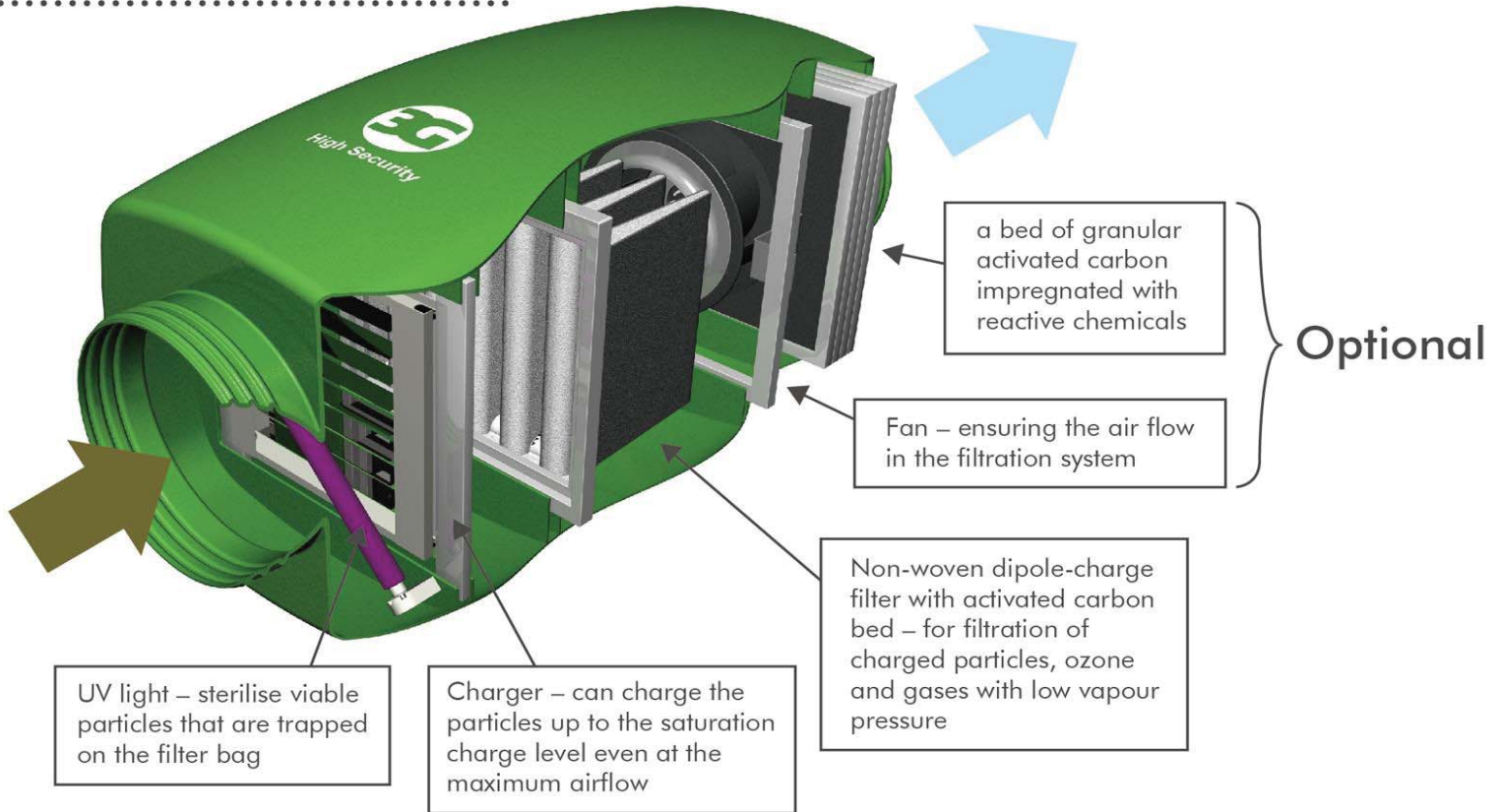
- 1) Low pressure drop
- 2) Low UV energy consumption



# LIFA 3G FILTER

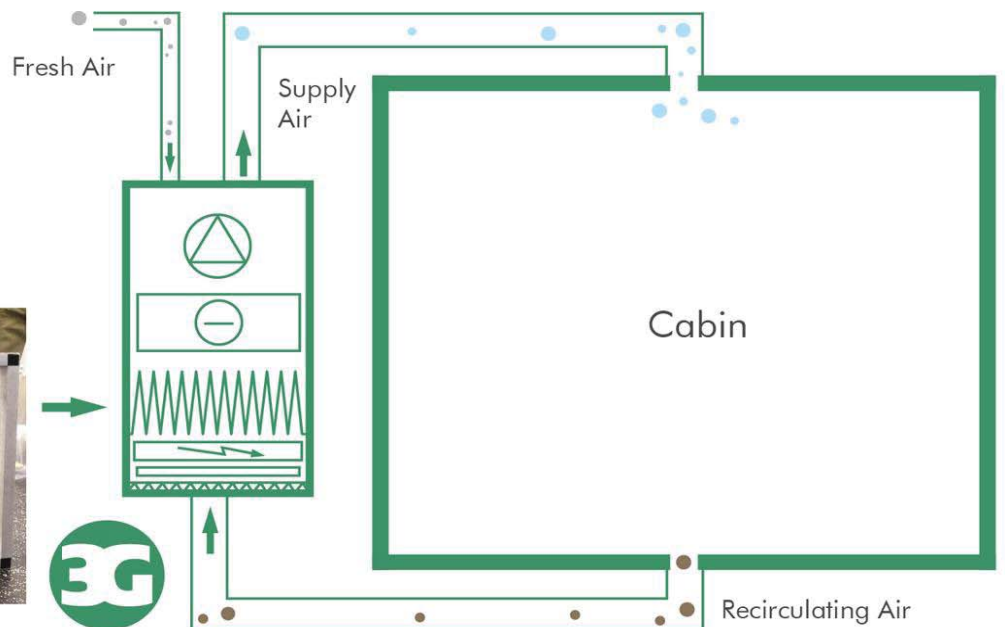
## OPERATING PRINCIPLE

### Filtration Method



### Filtration Systems Theory

- Superior filtration efficiency – up to 99.99% for particles and up to 95% for gases.
- Long filter service life with low maintenance costs.
- Easily retrofitted into existing heating, ventilation and air conditioning (HVAC) systems.





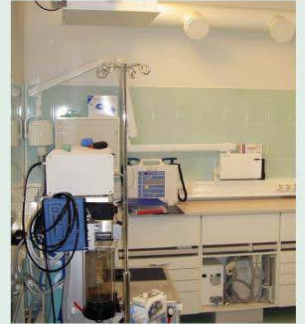
# APPLICATION AREA



School



Hospital



Office Building



Yoga Fitness Centre



Isolation Room



FCU for Hotel Room



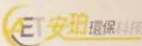
Ambulance



# LIFA 3G FILTER



Lifa 3G EX300 Filter Case Study – Office Application  
 > 99.5% PM2.5 removal efficiency



To provide clients and staffs with healthy and comfortable indoor air quality.  
 為了給客戶及員工提供健康、舒適的室內空氣質量，採取以下措施。

LIFA 3G Filter has been installed.

此辦公室已安裝  
 麗風 3G 空氣過濾器

Filtration Efficiency 過濾效率:

Efficiency for gases 氣體過濾效率	95%
Efficiency for particles 顆粒物過濾效率	99.5%

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Thank you for your attention! Dec. 2014



PM2.5 level on the STREET is 383  $\mu\text{g}/\text{m}^3$



PM2.5 level in the LOBBY is 73  $\mu\text{g}/\text{m}^3$



PM2.5 level in the CORRIDOR is 38  $\mu\text{g}/\text{m}^3$

## PM2.5 level in Hong Kong Air Quality index

AQI Category	Revised Breakpoints ( $\mu\text{g}/\text{m}^3$ , 24-hours average)
GOOD	0.0 - 12.0
Moderate	12.1 - 35.4
Unhealthy for Sensitive Group	35.5 - 55.4
Unhealthy	55.5 - 150.4
Very Unhealthy	150.5 - 205.4
Hazardous	205.5 - 350.4
Hazardous	350.5 - 500





> 99.5% REMOVAL EFFICIENCY  
of PM2.5 BY LIFA 3G EX300 FILTER



PM2.5 level in the office is 1-2  $\mu\text{g}/\text{m}^3$





# SPECIFICATIONS

Product name	3G EX 300	3G EX 450
Size (exterior) mm	360*320*760	510*470*820
Weight	14 Kg	26 Kg
UV-light	15 mW/cm <sup>2</sup>	17 mW/cm <sup>2</sup>
Charger	10 W	10 W
Voltage	7 W / 8kV	9 W / 8kV
3G Filter bag mm	particle/active carbon 305*305*280	particle/active carbon 450*450*375
Power usage	73W	155W
Airflow	120 l/s 432 m <sup>3</sup> /h	240 l/s 864 m <sup>3</sup> /h
Efficiency particles/gases	99.99% / 95%	99.99% / 95%
Noise level	42 -58 dB(A)	42 -58 dB(A)



## Patents CN 1217751C



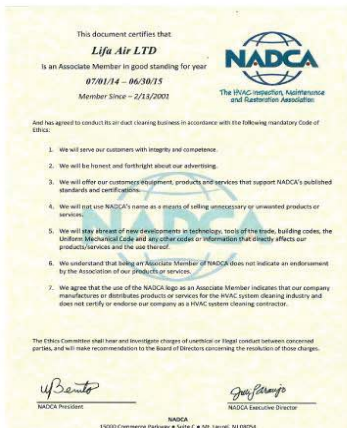
## Green Enterprise Awards



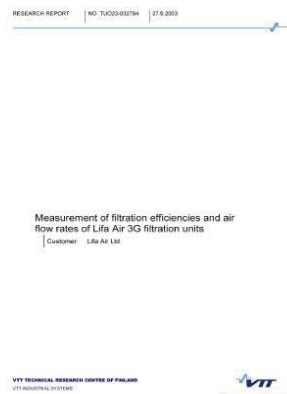
## ISO 9001 & ISO 14001



## NADCA Member



## Test Reports for 3G filter



China

Finland





**LIFA AIR**®

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