

THE AIRGUARDIAN FILTER SYSTEM

Filter

HEPS with > 99.997% absorption
Integral HEPA filter
VOC, activated carbon
> 40ug cleaning rate

Disinfection

Dual UV-B light sources
Peak radiated power 4600mW

Blowers

Dual opposing micro-controlled blowers
Up to 76m³/h output
Adaptive speed based on pollution level

Sensor

Laser pollution sensor
0.8s per reading
1ug accuracy for PM1, PM2.5 and PM10

Power

DC input: 12V to 28V
Current supply: peak 1.5A, idle 0.1A (MAX)
Power: MAX 20W
Internal 2A Quick Blow fuse (20mm cartridge)

Internal Thresholds

Baby: 7 to 9ug
Normal: 9 to 14ug
User defined optional range

Remote Display Module

Integrated sensor
Three digit PM2.5 display 0 to 999ug/m³

Software control

Integrated microprocessor taking control over all device functions including:

PC interface

USB serial port for linking to PC
Control over device functions
Control of desired fan speeds

Multiple fan control methods
Filter replacement detection
Interpretation of pollution levels
Rapid response to detected rise in PM2.5

DESIGNED TO HANDLE EXTREME POLLUTANTS AND PROTECT THE HEALTH OF USERS

Normal And Baby Modes (Stability Testing)

