

CleanZone® SL

Powerful, high-efficiency air cleaning at its quietest



- Specially developed for the control of airborne infectants and particulate matter
- Combines high-efficiency performance with ultra-low noise design
- Wall mount options save valuable floor space
- Guaranteed high-efficiency filtration of:
 - fine & ultrafine particulates (PM₁₀, PM_{2.5})
 - airborne bacteria, viruses and mould spores
 - a wide range of gaseous chemical contaminants (optional)



The leading air filtration specialist

For over 50 years, the IQAir Group has been an industry leader for indoor air quality. With the introduction of the IQAir room air purifier range in 1998, the Swiss-based Group redefined the term "high-performance" for stand-alone air cleaning systems. IQAir's engineers have now achieved yet another quantum leap in air cleaning performance. In developing its latest product line, IQAir set itself a complex challenge: to create a device that's immensely powerful, yet so quiet you almost forget it's there. A device that cleans the air you breathe with the highest efficiency, but uses very little energy even at the top fan speed. The job is done. We are proud to present the CleanZone SL Series.



Finally an air purifier that truly delivers on its promises... No matter how you use it!

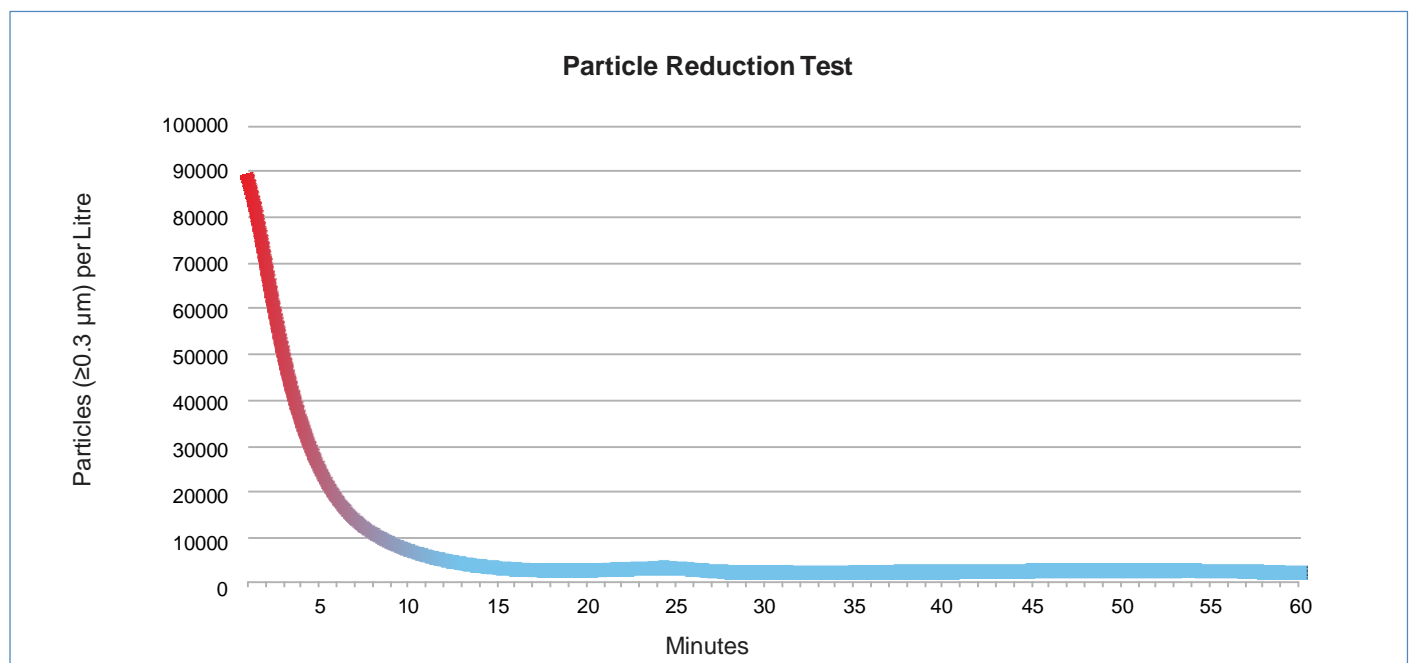


The market is flooded with air purifiers promising users the best of all worlds without ever delivering the claimed features all at the same time. Claims of "near silent performance" are worthless if they refer only to the lower fan speed settings where the system delivers only a fraction of the advertised maximum clean air delivery rate. Similarly, any theoretical filtration efficiency claims are deceptive if the real-life efficiency of the air purifier is nowhere close to 99% at the highest fan speed setting.

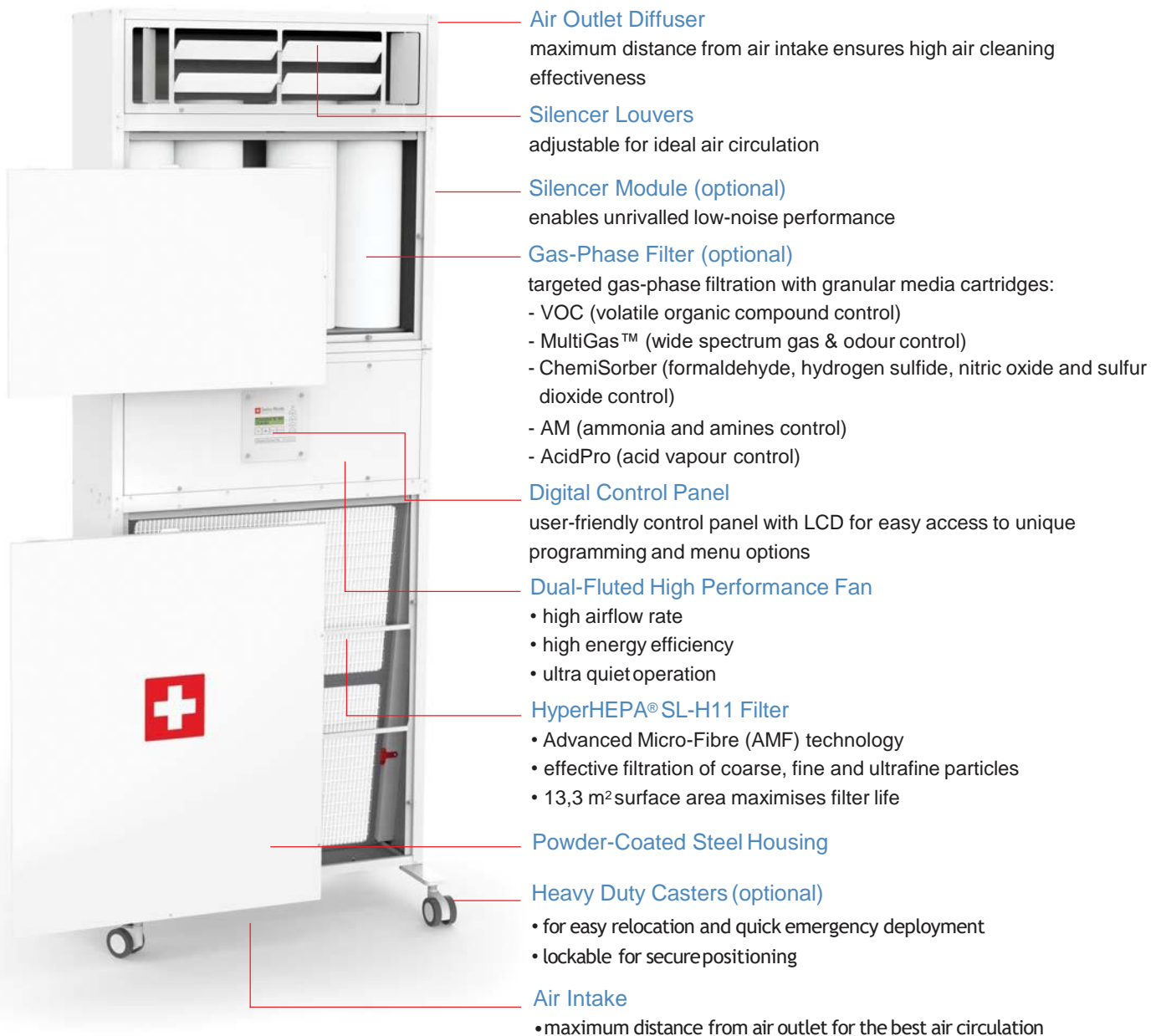
By contrast, the CleanZone SL with its unique Silencer Module, guarantees that you will have ALL key performance features available ALL of the time. Even if you run it at the highest fan speed, we guarantee that you will get 99% particle-free air at a sound level not exceeding 50 dB(A) and a power consumption of less than 75 watts.

Powerful commercial-grade air cleaning

The effectiveness of the CleanZone SL was tested in a 70 m³ office environment. The system achieved a 93% particle reduction after only 10 minutes of operation. After another 10 minutes, the particles within the room were reduced by 97%. These results were achieved in a non-sealed room where the central ventilation system brought in a constant stream of particulate pollutants. In protected environments, the CleanZone SL can achieve actual particle reductions of up to 99% which represents a 100-fold air quality improvement.



Features overview



One modular design, but dozens of configuration options that meet your needs exactly



The smart modular design of the SL Series allows you to customise the system to reflect your individual air cleaning needs and to suit your specific indoor environment. Options include wall-mounting, casters or positioning the system flush against a wall.

A selection of five optional gas phase filter cartridges, each optimised to deal with a specific range of chemical pollutants and odours, helps you to take effective control over a wide range of chemicals and odours. Whether it's allergens, toxic chemicals, traffic pollution, PM_{2.5}, PM₁₀, airborne bacteria, mould spores, viruses or odours you wish to deal with, the many CleanZone configurations empower you to take control of your unique air cleaning needs.

Digital Control Panel

Advanced Controls that put YOU in Control

The control console of the SL Series comes with a range of intuitive programming options which give you total control over the system's performance. An advanced timer allows you to set the unit to switch on and off at specific times. A powerful remote control enables full command from several meters' distance.



- 5 fan speed settings
- programmable daily/weekly timer
- intelligent filter life monitor
- key-lock function
- programmable pollution index
- programmable daytime/nighttime fan speed settings
- filter replacement LEDs
- remote control



Speed: 5
Airflow: 820m3/h

Auto Timer: ON
07:00 → 20:00

Remaining Life
HyperHEPA 3550h

Large/Fine Dust
Level: very high

Filter Replacements at Fixed Periods? — Not Practised Here!

At IQAir we design and manufacture our own high-performance replacement filters. We only use high-quality media which not only outperforms other filters, but which also last longer. Each system also features an Intelligent Filter Life Monitor which takes your particular air quality situation and actual usage into account to calculate each filter's remaining life span. This helps you to get the most out of each filter and save money. This is in stark contrast to other air cleaners that require you to change filters at fixed 6-month intervals, regardless of your selected fan speed, actual usage or pollution levels.

Advanced Micro-Fibre Filtration

The CleanZone SL's HyperHEPA filter features Advanced Micro-Fibre (AMF) technology. AMF fibers are 10 times thinner than conventional filter fibers. This allows air to pass easily through the filtration media while the ultrafine threads create an almost impenetrable barrier for pollution particles. AMF filter technology in the CleanZone allows the air to pass through the filtration media with less resistance and turbulence, adding to its ultra-low noise performance.



Exceptional Pollution Control



The IQAir CleanZone SL stand-alone air purifier was developed for offices, schools, hospitals and other commercial sites negatively affected by elevated levels of air pollution. The CleanZone's HyperHEPA filter removes more than 99% of all particles 0.3 microns or larger and is proven to filter ultrafine particles down to 0.003 microns in diameter, the smallest particles that exist. Diesel soot, allergens, viruses and all other airborne particulates are filtered with high-efficiency.

Image:

Hazel pollen, mould spores, toner dust and diesel soot caught on an IQAir air filter.

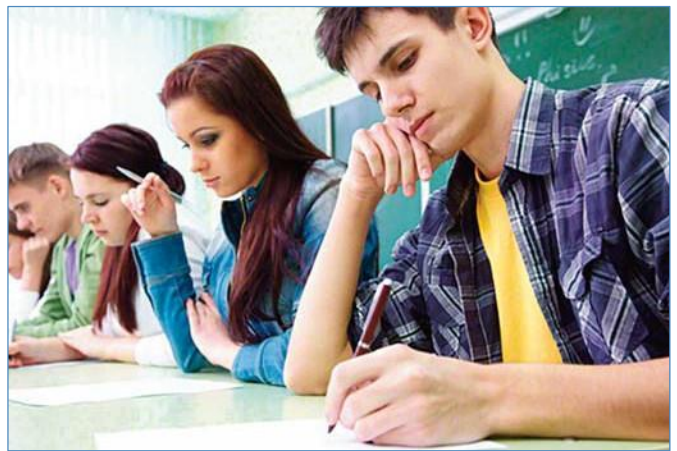


High Airflow

The CleanZone SL has an exceptional airflow capacity of up to 820 m³/h while meeting the most stringent noise standards and providing unequalled air filtration. The system delivers up to ten times more clean air than a typical air filtration system at similar noise levels. The high capacity of the CleanZone SL enables it to provide up to three complete air changes per hour in a 100 m² room.

Exceptionally Quiet

No other high-efficiency air purifier comes close to matching the quiet, unobtrusive operation of the IQAir CleanZone SL. Its two powerful fans move large quantities of air with minimal vibration and turbulence. IQAir's Advanced Micro-Fibre technology allows more air to pass through the CleanZone SL filters than is possible with conventional filters, while also maintaining high efficiency filtration.



Studies Confirm Effectiveness

A study of air quality in classrooms was conducted by the University of California. Results demonstrated that the IQAir CleanZone SL system removed 90% of black carbon particles and 94% of ultrafine particles. Other government studies of IQAir systems have yielded similar results, clearly showing the superior filtration capabilities of IQAir's HyperHEPA filtration technology.



Energy Efficient

The IQAir CleanZone SL costs very little to operate. In fact, running at maximum fan speed, it consumes no more power than a conventional light bulb. At the core of this powerful, yet economical commercial-grade air purifier is a dual-fluted high performance fan with four air inlet openings.



Advanced Filtration of Chemical Substances and Odours (Optional)

When the silencer module is fitted, the CleanZone system can be optionally equipped with IQAir's unique GCX filter technology. The cylindrical shape of the GCX cartridges allows for optimum contact between the contaminated air and the filter media, thus ensuring maximum removal efficiency.



Silencer module with GCX cartridges

A choice of five GCX gas phase-filter cartridge sets that hold up to 14 kg of granular media, is available to target either a very specific range of chemical pollutants (such as formaldehyde, VOCs) or to control a wide range of gaseous contaminants and odours:



VOC: for higher molecular gaseous pollutants, including a broad variety of odour-causing organic compounds (e.g. dimethylamine), VOCs (e.g. benzene, toluene, xylene), solvents (e.g. cyclohexane, carbon disulphide, turpentine, trichloroethylene), alcohols (e.g. methanol, propanol), aromatic hydrocarbons (e.g. naphthalene, styrene), alkenes, esters (e.g. ethyl acetate) and ozone, etc.



ChemiSorber: for a broad range of chemical pollutants including many lower molecular aldehydes (e.g. formaldehyde) and organic acids (e.g. acrylic acid, acetic acid), sulfuric oxides (e.g. sulfur dioxide, sulfur trioxide) and nitrogen oxides (e.g. nitrogen monoxide, nitrogen dioxide), etc.



MultiGas™: for a broad spectrum of gaseous pollutants and odours, including hydrocarbons, volatile organic compounds (VOCs), sulfuric oxides, formaldehyde, hydrogen sulphide, lower molecular aldehydes and organic acids, nitrogen oxides, higher molecular gases, odours, ozone, etc.



AM: for ammonia, amines (e.g. methylamine, triethylamine), etc.



AcidPro™: for sour gases including caproic acid, caprylic acid, chlorine, formic acid, hydrobromic acid, hydrochloric acid, nitric acid, dinitrogen monoxide, sulfuric acid, etc.



CleanZone® SL – Designed to Meet Your Specific Needs

The unique modular design of the CleanZone® SL allows the system to be configured and installed according to your individual needs. Here are just some configuration options that are possible:



One Air Cleaner, Thousands of Applications

The CleanZone SL offers an excellent cost-performance ratio for larger indoor spaces where powerful performance at minimal noise levels is required. It is ideal for environments where airborne particulate matter, microorganisms or chemical contaminants have to be removed effectively, but also as silently as possible. Typical applications of the CleanZone SL include:

Medical & Healthcare

- medical practices, clinics, hospitals
- microbiological, research & IVF labs
- protective isolation rooms
- containment isolation rooms
- emergency & field medical care units
- waiting rooms

Public & Institutional

- classrooms
- kindergartens
- nursing homes
- archives, libraries, museums
- places of worship
- smoking lounges

Commerce & Hospitality

- bars, restaurants, hotels, casinos
- offices, open-plan offices
- print shops, workshops
- data centres, network server rooms
- nail & beauty salons
- fitness studios, wellness centres



Open-plan offices, call centres...



Offices, conference & meeting rooms...



Protective isolation rooms...



Hospital wards...



Classrooms, training centres...



Kindergartens, learning centres...



CleanZone SL

CleanZone SLS

Technical Data	Description	High-performance air cleaning system for the powerful control of particulate matter and microorganisms	Ultra-quiet high-performance air cleaning system for the powerful control of particulate matter and microorganisms
	Airflow Rate per fan speed *	240 / 320 / 450 / 640 / 820 m³/h†	
	Sound Power Level per fan speed *	25 /32 /41 /50 /56	23 /29 /35 /42 /48
	Total System Efficiency for		
	Fine Particles and allergens (≥ 0.3 µm)	≥ 99%	
	Ultrafine Particles, bacteria and viruses (≥ 0.1 µm)	≥ 99%	
	Particulate Matter (PM 2.5, PM10)	≥ 99%	
	Dimensions (LxWxD) excl. casters or wall-stand	112 x 73 x 25 cm	182 x 73 x 25 cm
	Weight incl filters*	32 kg	45 kg (58 kg with optional GCX Filter Set)**
	Power Consumption per fan speed *	12 /16 /50 /60 /74 Watt	
Electrical Configuration	220V-240 V /50-60Hz		
Filters	Particle Filter	HyperHEPA® SL-H11 Filter high-capacity media surface area (approx. 13.3 m²)	
	Gas Phase Filter(Not included. Optional upgrade.)	Optional upgrade requires: Silencer Module GCX Cartridge Filter Set GCX Post-Filter SleeveSet Cartridge Mounting Plate	Optional upgrade requires: GCX Cartridge Filter Set GCX Post-Filter SleeveSet Cartridge Mounting Plate
	Media Options:		
	for higher molecular gaseous pollutants, including a broad variety of odour-causing organic compounds, VOC, solvents, alcohols, aromatic hydrocarbons, alkenes, esters and ozone	GCX VOC Cartridge Filter Set 7.8 kg activatedcarbon	
	for a broad spectrum of gaseous pollutants and odours, including hydrocarbons, VOC, sulfuric oxides, formaldehyde, hydrogen sulphide, lower molecular aldehydes and organic acids, nitrogen oxides, higher molecular gases, odours, ozone	GCX MultiGas™ Cartridge Filter Set 9.8 kg activated carbon & impregnated alumina	
	for a broad range of chemical pollutants including many lower molecular aldehydes (e.g. formaldehyde) and organic acids, sulfuric oxides and nitrogen oxides	GCX ChemiSorberCartridge Filter Set 14.6 kg impregnatedalumina	
	for ammonia, amines (e.g. methylamine, triethylamine) and other base substances	GCX AM Cartridge Filter Set 9.8 kg impreg. activated carbon	
	for acidic gases including caproic acid, caprylic acid, chlorine, formic acid, hydrobromic acid, hydrochloric acid, nitric acid, dinitrogen monoxide, sulfuric acid	GCX AcidPro Cartridge Filter Set 9.8 kg impreg. activated carbon	
	Post-Filter (Not included. Only required, if GCX Cartridge Filter Set is selected)	GCX Post-Filter Sleeve Set high efficiency post filtration of fine and ultrafine particulate matter	
Other	Maximum Air Changes per Hour		
	25 m² room size (volume: 65 m³)	12.6	12.6 (with GCX: 6.2)
	50 m² room size (volume: 130 m³)	6.3	6.3 (with GCX: 3.1)
	75 m² room size (volume: 195 m³)	4.2	4.2 (with GCX: 2.1)
	100 m² room size (volume: 260 m³)	3.2	3.2 (with GCX: 1.5)
	Warranty	2 years excluding filters	
	Scope of supply	HyperHEPA® SL-H11 Filter Remote control Wall-mount Power cord	Silencer module HyperHEPA® SL-H11 Filter Remote control Wall-mount Power cord
Optional Accessories	Caster Kit, Wall-StandKit		

* tolerance: ±10%; ** based on MultiGas™ media. Weight may vary depending on installed gas phase media type. † adding GCX Gas phase filtration will reduce airflow by approx. 50%

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