



## Business Solutions Air + Surface Sterilizers

Specialist in eradicating bad smells, moulds, bacteria, viruses and cross infections in a cost-effective and chemical-free way.

# Eradicating pollution at its source 24/7

## Indoor pollutants are found in the air and trapped on surfaces

The major causes of staleness and bad smells in indoor environments are pollutants. Indoor furnishings like carpets, curtains, cushions, and air conditioners have become fertile breeding grounds for these pollutants. Unpleasant odours from urine, cigarettes, and garbage bins remain stubbornly within the indoor environment.

These prolific pollutants must be eradicated for effective cleaning of the indoor environment. Traditionally, attempts to clean indoor environments are mainly through air filtration systems or with chemicals but these are insufficient because indoor air pollutants are found not only in the air but are also trapped on surfaces.

## Air filtering systems do not treat surfaces

Air filtering systems can only remove **airborne** pollutants, and do not address moulds and bacteria on **surfaces**, which can have a detrimental impact on the overall indoor environmental quality (IEQ).

## Some chemicals are cancer-causing

Chemicals, on the other hand, may seem effective in treating pollutants on surfaces but many types of chemicals have been proven to contribute to the increase in VOCs in indoor environments.

## Green & Eco-friendly technology

Medklinn's patented Cerafusion™ Technology **emits a steady stream of Active Oxygen**, just like nature. This process has been scientifically verified to quickly bind to and eradicate **airborne and surface-bound bacteria, viruses, harmful particles, toxic gases and unpleasant odours** in a cost-effective and chemical-free way.

Only Medklinn takes you beyond the ordinary to clean up what the others miss - because only Medklinn **cleans more than just the air**.

## Common pollutants affecting us daily



**Bad smells**



**Cigarette smells**



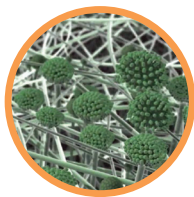
**Musty smells**



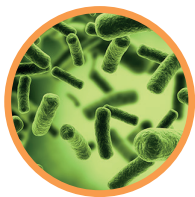
**Remnant food smells**



**Volatile Organic Compounds (VOCs)**



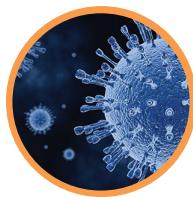
**Moulds**



**Bacteria**



**Dust mite allergens**



**Viruses**



**Mould spores**

### References:

1. Test Conducted by Molecular Research Laboratory, Department of Medical Microbiology, Faculty of Medicine University Malaysia, Kuala Lumpur Malaysia.
2. Test Conducted by Associate Professor Sek C. Chow, Dr Med Sc, Registered Toxicologist (UK), Monash University, Sunway Campus.
3. CNA: Japanese Researchers Say Ozone Effective in Neutralising COVID-19, Date:26-08-2020.  
<https://www.channelnewsasia.com/news/asia/covid-19-japan-researchers-ozone-effective-neutraliser-13054982>

# Outstanding features



Eradicates both airborne and surface-bound pollutants



Distributed and continuous sterilization



Small to large coverage areas



Low operation costs



Scientifically verified and independently tested



Low maintenance and filterless



Compact and ID-friendly design



Green solution

## Industries



Hotels



Food and Beverage Outlets



Office Buildings



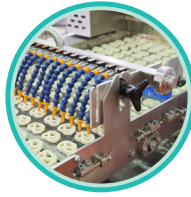
Restrooms



Refuse Chambers and Bin Centres



Cigar Lounges and Smoking Rooms



Food Processing and Manufacturing Plants



Entertainment Outlets



Supermarkets and Shopping Malls



Event Halls and Convention Centres

# Our solutions

## 1. Ad hoc treatment for spaces up to 800 sq ft

Portable units are suitable for quick treatments of indoor odours whenever and wherever. Treatment duration could be 20 minutes or longer depending on the pollutant level.

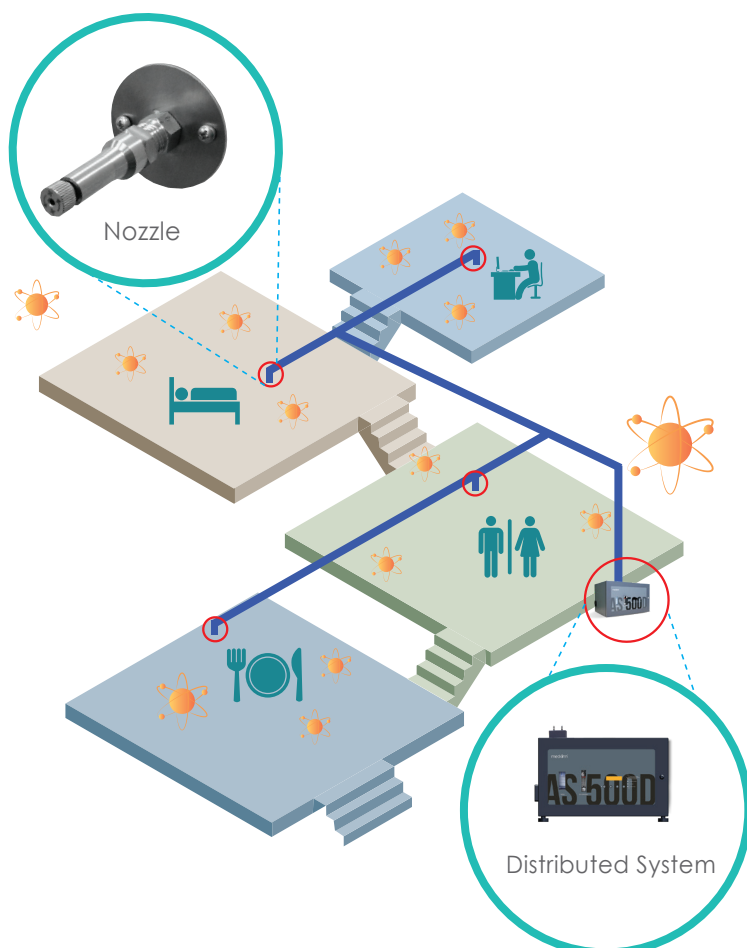
Recommended for:  
Hotel guest rooms, restaurants, facilities management, cigar lounges and smoking rooms.



## 2. Continuous treatment for spaces up to 1,000 sq ft

Permanent units are used for 24/7 eradication of persistent indoor issues such as moulds, odours and bacteria.

Recommended for:  
Hotel guest rooms, washrooms, offices, classrooms, cigar lounges, smoking rooms and elevator



## 3. Continuous treatment for large spaces of 3,000 sq ft or more

Distributed systems are used to eradicate moulds, odours and cross infections with ID-friendly nozzles installed strategically on the ceiling.

Recommended for:  
Hotel corridors, washrooms, restaurants, halls, offices, exhibition centres, supermarkets, food processing and manufacturing plants and other large areas.



Product photo is not to scale

## Product Specifications



PRO AS2



PRO AS3



PRO AS20P



PRO AS30P



PRO AS40P

Ozone Output (max)	20 mg/hr	15 mg/hr	55 mg/hr	85 mg/hr	130 mg/hr
Adjustable Ozone Output	Yes	Yes	N/A	N/A	N/A
Casing	Polycarbonate	ABS Flame Retardant	Stainless steel epoxy powder coated	Stainless steel epoxy powder coated	Stainless steel epoxy powder coated
Negative Ion Emission Rate	>2 million /cm per second	>2 million /cm per second	N/A	N/A	N/A
Interchangeable Cartridge	Yes	Yes	N/A	N/A	N/A
Cartridge Option	Hybrid / Ozone	PRO AS Cartridge	N/A	N/A	N/A
Power Plug Type	N/A	2 pin / 3 pin Power Adaptor	2 and 3 pin power cord	2 and 3 pin power cord	2 and 3 pin power cord
Input Voltage	110-240 VAC	110-240 VAC	110-240 VAC	110-240 VAC	110-240 VAC
Input Current (max)	0.5 A	0.45 A	0.5 A	0.5 A	0.5 A
Power Consumption	<7 W	< 5.5 W	<18 W	<18 W	<21W
Coverage Area*	450 ft <sup>2</sup> / 48 m <sup>2</sup>	300-350 ft <sup>2</sup> / 28-32 m <sup>2</sup>	400 ft <sup>2</sup> / 36.5 m <sup>2</sup>	600 ft <sup>2</sup> / 55 m <sup>2</sup>	800 ft <sup>2</sup> / 73 m <sup>2</sup>
Installation	Wall mount	Wall mount / Desktop	Portable	Portable	Portable
Settings	Low / Mid / High / iKlinn	Low / Mid / High	N/A	N/A	N/A
Dimension (mm)	175 (W) x 54(D) x 137(H)	75 (W) x 55 (D) x 145 (H)	137 (W) x 188 (D) x 183(H)	137 (W) x 188 (D) x 183(H)	158 (W) x 233 (D) x 242 (H)
Operating Environment	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C
Weight	1.1kg	400 grams	2kg	2kg	3.2kg

## Product Specifications



PRO AS50G



PRO AS180



PRO AS300D



PRO AS500D



PRO AS750D



PRO AS1000D

Ozone Output (max)	150 mg/hr	150 mg/hr	500 mg/hr	1000 mg/hr	5 g/hr	5 g/hr
Adjustable Ozone Output	N/A	N/A	Yes	Yes	Yes	Yes
Casing	Stainless steel epoxy powder coated	Stainless steel epoxy powder coated	Galvanized steel epoxy powder coated	Galvanized steel epoxy powder coated	Galvanized steel epoxy powder coated	Galvanized steel epoxy powder coated
Power Plug Type	2 and 3 pin power cord	2 and 3 pin power cord	3 pin power cord	3 pin power cord	2 and 3 pin power cord	2 and 3 pin power cord
Input Voltage	110-240 VAC	110-240 VAC	220-240 VAC	220-240 VAC	220-240 VAC	220-240 VAC
Input Current (max)	0.5 A	0.5 A	0.5 A	0.5 A	1.5 A	1.7 A
Power Consumption	<21 W	<21 W	110 W	115 W	350 W	408 W
Coverage Area*	1000 ft <sup>2</sup> / 93m <sup>2</sup>	1000 ft <sup>2</sup> / 93 m <sup>2</sup>	3000 ft <sup>2</sup> / 278 m <sup>2</sup>	5000 ft <sup>2</sup> / 464 m <sup>2</sup>	7500 ft <sup>2</sup> / 695 m <sup>2</sup>	10000 ft <sup>2</sup> / 929 m <sup>2</sup>
Installation	Wall or ceiling mount	Standalone	Distributed System	Distributed System	Distributed System	Distributed System
Settings	N/A	Low / Mid / High / iKlinn	Timer / Flow Meter	Timer / Flow Meter	Timer / Flow Meter	Timer / Flow Meter
Dimension (mm)	182 (W) x 177 (D) x 192 (H)	147 (W) x 133 (D) x 591 (H)	516 (W) x 346 (D) x 422 (H)	516 (W) x 346 (D) x 422 (H)	365 (W) x 470 (D) x 355 (H)	700 (W) x 450(D) x 800 (H)
Operating Environment	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C	Temperature: 10°C- 35°C
Oxygen Flow Rate	N/A	N/A	Adjustable 0 - 3 LPM	Adjustable 0 - 3 LPM	Adjustable 0 - 5 LPM	Adjustable 0 - 10 LPM
Number of outlets	N/A	N/A	3 - 6	3 - 6	1 - 10	1 - 20
Tubing type	N/A	N/A	FEP	FEP	FEP	FEP
Weight	2kg	5kg	14kg	14kg	20kg	50kg

1. Medkinn Air+Surface Sterilizer regulates ozone at/or below 0.05 ppm concentration at ambient level.
2. Complies to International Guidelines.
3. Tested condition: Office space with a standard ceiling height of 9 feet / 3 meter, a minimum air exchange rate of 3 to 4 times at 23 deg C and 45% RH.
4. The coverage area will be smaller for more polluted environment.

Authorised dealer



For authorised dealers, please go to [www.medklinn.com](http://www.medklinn.com)



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