

Project: Cheongmon Samui Resort
PN: 19 06 03C



Item	Qty.
Model: PRO AS50G	
GBA-017.....	2 Ea.

MedKlinnTM
airsterilizers



INNOVATIVE SOLUTIONS

OUR CONCEPT

CLEANING MORE THAN JUST THE AIR



ELIMINATING the source of POLLUTANTS

It's true. The major causes of bad odour and staleness in indoor environment are mould, bacteria and pollutants like cigarette smoke. Indoor furnishings like carpets, curtains and cushions, as well as air-conditioners have become fertile breeding grounds for mould and bacteria. This prolific source of pollutants must be eliminated for effective cleaning of the indoor environment. For many decades, indoor environment is cleaned mainly through air filtering system but it is not enough because indoor pollutants are found both in air and on surfaces. Air filtering system can only treat airborne and not surface-bound pollutants therefore it has its limitations such as treating mould and bacteria growth on surfaces.

Our state-of-the-art Cerafusion™ Technology emits a massive, steady stream of negative ions and controlled levels of ozone, scientifically verified to quickly bind and remove airborne and surface-bound bacteria, viruses and harmful particles.

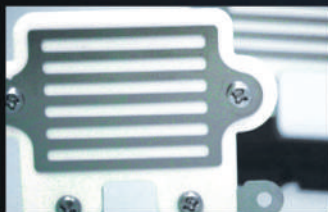
MedKlinn's innovative technology extends air cleaning beyond ordinary limits. It destroys both surface-bound and airborne micro-organisms in a continuous, distributed way, giving you the highest air quality imaginable. So clean and so pure – you will wonder why you ever settled for less.

MedKlinn harnesses nature's freshest agents and translates them into cutting-edge technology. It is intuitively simple yet incredibly powerful – generate huge amounts of negative ions and controllable levels of ozone to address the entire spectrum of pollutants, purify the air, plus clean every indoor surface. It is the one-stop, end-to-end solution to cleanse any indoor environment – only from MedKlinn.

It is a proven fact. Only MedKlinn takes you beyond the obvious to clean up what all the others miss. Because **only MedKlinn cleans more than just the air.**

OUR TECHNOLOGY

THE POWER OF CERAFUSION™



The Cerafusion™ Technology, a culmination of patented technologies is designed to bring you the benefits of an effective and hassle-free solution to clean more than just the air - and thus enhance your life. The key lies in its ability to produce **massive amounts of ions and controlled levels of ozone** - which it achieves when a high voltage is driven through the Cerafusion™ Ion and Ozone modules, a fusion of dielectric material and special metal alloys. The high optimal energy passing through the inner electrode to the outer electrode of the module induces massive ionization and controlled levels of ozonation. This process is further enhanced by state-of-the-art electronics to maintain precise modulation of ionization and ozonation power.

Negative ions¹ and ozone² are nature's natural air cleaners. They are highly effective in eliminating AIRBORNE and SURFACE-BOUND pollutants such as dust particles, unpleasant odours, moulds, bacteria, viruses, germs, VOCs and toxic gases, leaving in its place a clean, fresh and healthy environment. The Cerafusion™ Technology has been **tested scientifically to kill airborne and surface-bound bacteria and viruses effectively**. Bacteria are killed when the cell membranes are broken while viruses are killed when the ribonucleic acids (RNA) are damaged.

OUR INNOVATIVE SOLUTIONS

COST EFFECTIVE & R.O.I. DRIVEN

MedKlinn offers **R.O.I. driven and proven solutions** to address various indoor environmental challenges - it is especially effective in eliminating bacteria, moulds, fungi, unpleasant remnant odour from cigarettes, food and organic materials. MedKlinn specialises in providing effective and innovative solutions for different applications, including corporate offices, meeting rooms, food courts, ballrooms, hotel rooms, restaurants, galleries, supermarkets, lounges, casinos, apartments and homes.



PRO AS1 / AS2



PRO AS30P



PRO AS50G



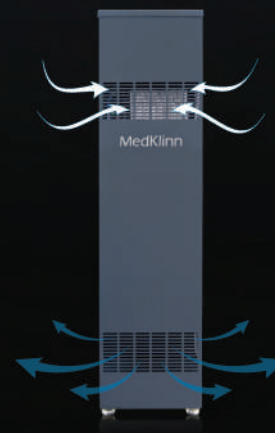
PRO AS20P



PRO AS40P



PRO AS300D / AS500D

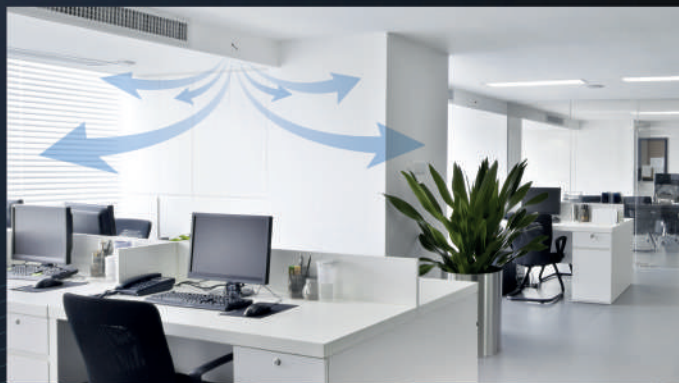


PRO AS180

APPLICATIONS



PRO AS180 in a meeting room



PRO AS300D/AS500D installed in an office



PRO AS1 installed in a hotel room



PRO AS2 installed in an office



PRO AS20P is a portable unit for treatment



PRO AS50G installed in a restaurant

OUTSTANDING FEATURES



POWERED BY STATE-OF-THE-ART PATENTED CERAFUSION™ TECHNOLOGY

Unlike traditional air cleaning devices which rely on filters to clean the air, the MedKlinn Commercial Series generates massive amount of negative ions and controlled levels of ozone to clean the air and surfaces. Negative ions and ozone are nature's way of cleaning the air, and proven to be effective in killing bacteria, viruses and removing unpleasant odours.



HIGHLY EFFECTIVE IN GETTING RID OF UNPLEASANT SMELL FROM SMOKE AND ORGANIC MATERIAL

Negative ions and ozone neutralize the smoke and organic particles into harmless and odourless material. However, traditional air filters collect these particles in the filter which if not cleaned or changed will render the filter ineffective.



INDEPENDENTLY TESTED

Highly effective in killing airborne and surface-bound bacteria, viruses, mould and germs that cause nosocomial infection^{3,4}.



DISTRIBUTED AND CONTINUOUS AIR AND SURFACE CLEANING

The MedKlinn Commercial Series is scientifically verified to quickly bind and kill airborne and surface-bound bacteria and viruses. Cerafusion™ Technology extends air cleaning beyond ordinary limits. It destroys both surface-bound and airborne micro-organisms in a continuous, distributed way, giving you the highest air quality imaginable.



LOW OPERATION COSTS

The MedKlinn Commercial Series uses between 6 to 115 watts (depending on the models) to operate and is designed for 24 hours operation to clean the air and surfaces continuously.







LOW MAINTENANCE

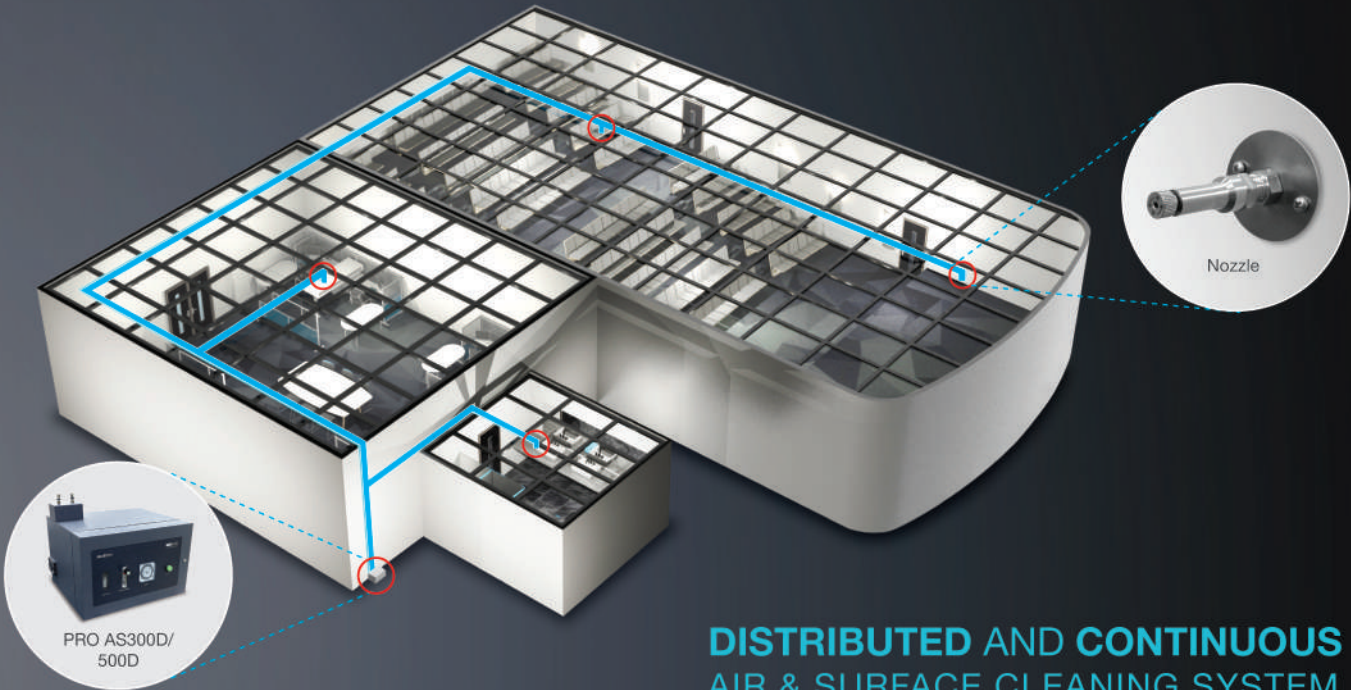
The MedKlinn Commercial Series does not use filters to clean the air and surfaces therefore no regular cleaning and changing of filters are required. To ensure optimal performance, regular cleaning is required with Cerafusion™ module/cartridge and yearly replacement is recommended.

References:

1. "An Electrostatic Space Charge System to Control Bacteria and Spores on Surfaces", A Judy and M Bailey, 2002
2. "Ozone gas is an effective and practical antibacterial agent", M Sharma and JB Hudson, 2008.
3. "Nosocomial Infection Update", Robert A. Weinstein, 1998.
4. "Sensitivity of Candida Albicans to Negative Air Ion Streams", J. M. Shargawi, E. D. Theaker, D. B. Drucker, T. MacFarlane and A. J. Duxbury, 1999.

PRODUCT SPECIFICATIONS

				
DESCRIPTION	PRO AS1	PRO AS2	PRO AS20P	PRO AS30P
Ozone Output (max)	13 mg/hr	20 mg/hr	55 mg/hr	85 mg/hr
Adjustable Ozone Output	Yes	Yes	N/A	N/A
Casing	Polycarbonate	Stainless Steel	Stainless steel epoxy powder coated	Stainless steel epoxy powder coated
Negative Ion Emission Rate	>2 million/cm ³ per second	>2 million/cm ³ per second	>2 million/cm ³ per second	>2 million/cm ³ per second
Interchangeable Cartridge	Yes	Yes	N/A	N/A
Cartridge Option	Ion / Hybrid	Ion / Hybrid / Ozone	N/A	N/A
Power Plug Type	N/A	N/A	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
Input Current (max)	0.5 A	0.5 A	0.5 A	0.5 A
Power Consumption	< 6 W	< 7 W	< 18 W	< 18 W
Coverage Area*	300 ft ² / 28m ²	450 ft ² / 48m ²	400 ft ² / 36.5m ²	600 ft ² / 55m ²
Installation	Wall mount	Wall mount	Portable	Portable
Settings	Low / Mid / High / iKlinn	Low / Mid / High / iKlinn	N/A	N/A
Dimensions (mm)	182 (W) x 56 (D) x 131 (H)	172 (W) x 54 (D) x 137 (H)	137 (W) x 188 (D) x 183 (H)	137(W) x 188 (D) x 183 (H)
Operating Environment	Temperature: 10° - 35°C	Temperature: 10° - 35°C	Temperature: 10° - 35°C	Temperature: 10° - 35°C
Oxygen Flow Rate	N/A	N/A	N/A	N/A
Number of outlets	N/A	N/A	N/A	N/A
Tubing type	N/A	N/A	N/A	N/A
Weight	700 grams	1.1 kg	2 kg	2 kg
Maintenance part(s)	N/A	N/A	N/A	N/A
Warranty	1 year limited	1 year limited	1 year limited	1 year limited



DISTRIBUTED AND CONTINUOUS
AIR & SURFACE CLEANING SYSTEM

PRODUCT SPECIFICATIONS

					
DESCRIPTION	PRO AS40P	PRO AS50G	PRO AS180	PRO AS300D	PRO AS500D
Ozone Output (max)	130 mg/hr	150 mg/hr	150 mg/hr	500 mg/hr	1,000 mg/hr
Adjustable Ozone Output	N/A	N/A	Yes	Yes	Yes
Casing	Stainless steel epoxy powder coated	Stainless steel epoxy powder coated	Stainless steel epoxy powder coated	Galvanized steel epoxy powder coated	Galvanized steel epoxy powder coated
Negative Ion Emission Rate	>2 million/cm ³ per second	>2 million/cm ³ per second	>2 million/cm ³ per second	N/A	N/A
Interchangeable Cartridge	N/A	N/A	N/A	N/A	N/A
Cartridge Option	N/A	N/A	N/A	N/A	N/A
Power Plug Type	2 and 3 pin power cord	2 and 3 pin power cord	2 and 3 pin power cord	3 pin power cord	3 pin power cord
Input Voltage	110-240 VAC	110-240 VAC	110-240 VAC	220-240 VAC / 50Hz	220-240 VAC / 50Hz
Input Current (max)	0.5 A	0.5 A	0.5 A	0.5 A	0.55 A
Power Consumption	< 21 W	< 21 W	< 21 W	110 W	115 W
Coverage Area* (square feet)	800 ft ² / 73m ²	1,000 ft ² / 93m ²	1,000 ft ² / 93m ²	3,000 ft ² / 278m ²	5,000 ft ² / 464m ²
Installation (device)	Portable	Wall or ceiling mount	Standalone	Distributed System	Distributed System
Settings	N/A	N/A	Low / Mid / High / iKlinn	Timer / Flow meter	Timer / Flow meter
Dimensions (mm)	158 (W) x 233 (D) x 242 (H)	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)
Operating Environment	Temperature: 10° - 35°C	Temperature: 10° - 35°C	Temperature: 10° - 35°C	Temperature: 10° - 35°C	Temperature: 10° - 35°C
Oxygen Flow Rate	N/A	N/A	N/A	Adjustable 0 - 3 LPM	Adjustable 0 - 5 LPM
Number of outlets	N/A	N/A	N/A	3 - 6	4 - 10
Tubing type	N/A	N/A	N/A	FEP	FEP
Weight	3.2 kg	2 kg	5 kg	14 kg	14 kg
Maintenance part(s)	N/A	N/A	N/A	Hepa Filter**	Hepa Filter**
Warranty	1 year limited	1 year limited	1 year limited	1 year limited	1 year limited

* Depending on the pollution level.

* Ceiling height of 9 feet/3 meter.

** Hepa filter for ozone generator: 6 to 12 months.

Authorised Dealer:



www.medklinn.com

MALAYSIA | SINGAPORE | THAILAND | INDONESIA | PHILIPPINES | MYANMAR | HONG KONG | MACAU | VIETNAM

CLEANING
MORE THAN
JUST THE **AIR**

